Main Criteria: Kentucky Academic Standards

Secondary Criteria: Alliance to Save Energy

Subjects: Language Arts, Mathematics, Science, Social Studies

**Grades:** K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 **Correlation Options:** Show Correlated

# Kentucky Academic Standards Language Arts

Grade: 3 - Adopted: 2019

STRAND	Reading Foundational Skills—Grade 3
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CATEGORY / GOAL		Fluency
STANDARD / ORGANIZER	RF.3.4.	Read fluently (accuracy, speed and prosody) on grade-level to support comprehension.
EXPECTATION	RF.3.4.a.	Read grade-level text with purpose and understanding.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation
EXPECTATION	RF.3.4.b.	Fluently read grade-level prose and poetry orally on successive readings.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation
EXPECTATION	RF.3.4.c.	Use context to confirm or self-correct word recognition and understanding, rereading as necessary.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation

# STRAND Reading Standards for Informational Text—Grade 3

CATEGORY / GOAL		Key Ideas and Details
ST ANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.
EXPECTATION	RI.3.1.	Ask and answer questions, and make and support logical inferences in order to construct meaning from the

# Alliance to Save Energy

3-8 Custodial Presentation & Pledge Assembly Announcement

Family Presentation Staff Presentation

text.

# STRAND Reading Standards for Informational Text—Grade 3

CATEGORY/ GOAL	Key Ideas and Details

ST ANDARD I ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.
EXPECTATION	RI.3.2.	Identify and cite relevant implicit and explicit information from a summary to determine the central idea of a text.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
STRAND		Reading Standards for Informational Text—Grade 3
CATEGORY / GOAL		Craft and Structure
ST ANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.
EXPECTATION	RI.3.4.	Determine the meaning of general academic words and phrases in a grade-level text, and describe how those words and phrases shape meaning.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
STRAND		Reading Standards for Informational Text—Grade 3
CATEGORY / GOAL		Integration of Knowledge and Ideas
STANDARD / ORGANIZER	GP.R.7	Students will integrate and evaluate content presented in print/non-print forms of text found in diverse media and formats.
EXPECTATION	RI.3.7.	Identify and explain how specific visuals, including but not limited to diagrams, graphs, photographs and side bars, contribute to the meaning and clarity of a text.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Family Presentation Staff Presentation
STRAND		3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Family Presentation
STRAND  CATEGORY / GOAL		3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Family Presentation Staff Presentation
CATEGORY/	GP.R.10	3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Family Presentation Staff Presentation  Reading Standards for Informational Text—Grade 3
CATEGORY / GOAL STANDARD /	<b>GP.R.10</b> RI.3.10.	3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Family Presentation Staff Presentation  Reading Standards for Informational Text—Grade 3  Range of Reading and Level of Text Complexity  Students will read, comprehend and analyze complex informational texts independently and

3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation

Staff Presentation

STRAND	Composition—Grade 3

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.3.1.	Compose opinion pieces, using a combination of writing and digital resources, on topics or texts, with supporting reasons.
INDICATOR	C.3.1.f.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising and editing.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation

# STRAND Composition—Grade 3

CATEGORY <i>l</i> GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.3.2.	Compose informative and/or explanatory texts, using writing and digital resources, to examine a topic and provide information.
INDICATOR	C.3.2.a.	With guidance and support from adults, produce writing in which the development and organization are appropriate to task and purpose.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.3.2.b.	Introduce a topic and group related information together; include illustrations when useful to aiding comprehension.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Poster Campaign
		Staff Presentation

# INDICATOR C.3.2.c. Develop the topic with facts, definitions and details.

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3-5 Explore Renewables Energy Poster Project
3-5 Final Presentation & Peer Performance
3-5 My Future Green Career
3-8 Custodial Presentation & Pledge
Assembly Announcement

Carbon Footprint Journal
Staff Presentation

INDICATOR	C.3.2.d.	Use grade-appropriate conjunctions to develop text structure within sentences.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.3.2.e.	Use grade-appropriate transitions to develop text structure across paragraphs.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.3.2.f.	Provide a concluding section.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.3.2.g.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising and editing.
		Allianas to Cave Engage
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project
		3-5 Explore Reflewables Energy Poster Project 3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
STRAND		Composition—Grade 3
CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.
EXPECTATION	C.3.3.	Compose narratives, using writing and digital resources, to develop real or imagined experiences or multiple events or ideas using effective technique, descriptive details and clear sequences.

Use dialogue and descriptions of actions, thoughts and feelings to develop experiences and events or show

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INDICATOR

C.3.3.c.

3-5 Explore Renewables Energy Poster Project
3-5 Final Presentation & Peer Performance
3-5 My Future Green Career
Assembly Announcement
Carbon Footprint Journal
Staff Presentation

the response of characters to situations.

INDICATOR	C.3.3.f.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising and editing.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
STRAND		Composition—Grade 3
CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.3.5.	Conduct short research projects that build knowledge about a topic.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project 3-5 My Future Green Career
STRAND		Composition—Grade 3
CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.
EXPECTATION	C.3.6.	Summarize information from experiences or gather information from print and digital sources; take brief notes on information from various print/digital sources, and analyze by sorting into appropriate categories.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project 3-5 My Future Green Career
STRAND		Composition—Grade 3
CATEGORY / GOAL		Range of Writing
ST ANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
EXPECTATION	C.3.7.	Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
STRAND		Language—Grade 3
CATEGORY / GOAL		Knowledge of Language

ST ANDARD / ORGANIZER	GP.L.3	Students will apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.
EXPECTATION	L.3.3.	Use knowledge of language and its conventions when writing, speaking, reading or listening.
INDICATOR	L.3.3.a.	Choose words and phrases for effect.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation

# STRAND Language—Grade 3

CATEGORY/ GOAL		Vocabulary Acquisition and Use
STANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.3.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 3 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.3.4.a.	Use sentence-level context as a clue to the meaning of a word or phrase.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
INDICATOR	L.3.4.e.	Acquire and use accurately grade-appropriate conversational, general academic and domain-specific words and phrases, including those that signal spatial and temporal relationships.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance 3-8 Custodial Presentation & Pledge Assembly Announcement

### STRAND Language—Grade 3

CATEGORY / GOAL		Vocabulary Acquisition and Use
ST ANDARD / ORGANIZER	GP.L.5	Students will demonstrate understanding of word relationships and nuances in word meanings.
EXPECTATION	L.3.5.	Demonstrate understanding of word relationships and nuances in word meanings.
INDICATOR	L.3.5.a.	Distinguish the literal and nonliteral meanings of words and phrases in context.

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Carbon Footprint Journal Family Presentation Staff Presentation

3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

# Kentucky Academic Standards Language Arts

Grade: 4 - Adopted: 2019

### STRAND Reading Foundational Skills—Grade 4

CATEGORY / GOAL		Fluency
STANDARD / ORGANIZER	RF.4.4.	Read fluently (accuracy, speed and prosody) on grade-level text to support comprehension.
EXPECTATION	RF.4.4.a.	Read grade-level text with purpose and understanding.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
EXPECTATION	RF.4.4.c.	Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

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3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### STRAND Reading Standards for Informational Text—Grade 4

Family Presentation
Staff Presentation

STRAND

CATEGORY / GOAL		Key Ideas and Details
ST ANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.
EXPECTATION	RI.4.1.	Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement

Reading Standards for Informational Text—Grade 4

CATEGORY / GOAL		Key Ideas and Details	
STANDARD / ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.	
EXPECTATION	RI.4.2.	Analyze how the central ideas are reflected in a text, and cite relevant implicit and explicit evidence from the	

# text.

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3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### STRAND Reading Standards for Informational Text—Grade 4

ORGANIZER	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.

EXPECTATION

RI.4.4.

Determine the meaning of general academic and domain-specific words or phrases in a grade-level text, and describe and explain how those words and phrases shape meaning.

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3-8 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation

Staff Presentation

### STRAND

### Reading Standards for Informational Text—Grade 4

CATEGORY / GOAL		Range of Reading and Level of Text Complexity
ST ANDARD / ORGANIZER	GP.R.10	Students will read, comprehend and analyze complex informational texts independently and proficiently.

EXPECTATION RI.4.10. By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read, comprehend and analyze grade-level appropriate, complex informational texts independently and proficiently.

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3-8 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

### **STRAND**

### Composition—Grade 4

CATEGORY/ GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.4.1.	Compose opinions, using writing and digital resources, on topics or texts, supporting an author's perspective with reasons and information.
INDICATOR	C.4.1.a.	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose and audience.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.4.1.f.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing and rewriting.

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3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance **Assembly Announcement** Carbon Footprint Journal Staff Presentation

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.4.2.	Compose informative and/or explanatory texts, using writing and digital resources, to examine a topic and convey ideas and information clearly.
INDICATOR	C.4.2.a.	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose and audience.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.4.2.b.	Introduce a topic clearly, and group related information in paragraphs and sections; include formatting, illustrations and multimedia when useful to aiding comprehension.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.4.2.c.	Develop the topic with facts, definitions, concrete details, quotations or other information and examples related to the topic.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance 3-5 My Future Green Career 3-8 Custodial Presentation & Pledge Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.4.2.d.	Use grade-appropriate conjunctions to develop text structure within sentences.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.4.2.e.	Use grade-appropriate transitions to develop text structure across paragraphs.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project

3-5 Explore Renewables Energy Poster Project
3-5 Final Presentation & Peer Performance
Assembly Announcement
Carbon Footprint Journal
Staff Presentation

INDICATOR	C.4.2.f.	Use precise language and domain-specific vocabulary to inform about or explain the topic.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.4.2.g.	Provide a concluding section.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.4.2.h.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning,
		revising, editing and rewriting.
		Alliance to Save Energy
		3-5 Explore Renewables Energy Poster Project
		3-5 Final Presentation & Peer Performance
		Assembly Announcement
		Carbon Footprint Journal

# STRAND Composition—Grade 4

Staff Presentation

CATEGORY / GOAL		Text Types and Purposes	
STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.	
EXPECTATION	C.4.3.	Compose narratives, using writing and digital resources, to develop real or imagined experiences or multiple events or ideas, using effective technique, descriptive details and clear sequences.	
INDICATOR	C.4.3.a.	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose and audience.	
		Alliance to Save Energy	
		3-5 Explore Renewables Energy Poster Project	
		3-5 Final Presentation & Peer Performance	
		Assembly Announcement	
		Carbon Footprint Journal Staff Presentation	
INDICATOR	C.4.3.g.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing and rewriting.	
		Alliance to Save Energy	
		3-5 Explore Renewables Energy Poster Project	
		3-5 Final Presentation & Peer Performance	
		Assembly Announcement	

# STRAND Composition—Grade 4

Carbon Footprint Journal Staff Presentation

CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.4.5.	Conduct short research projects that build knowledge through investigation of different aspects of a topic.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 My Future Green Career
STRAND		Composition—Grade 4
CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.
EXPECTATION	C.4.6.	Summarize relevant information from experiences or gather relevant information from various print and digital sources; take notes, categorize information and provide a list of sources.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 My Future Green Career
STRAND		Composition—Grade 4
CATEGORY/		Range of Writing
GOAL		
ST ANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
ST ANDARD /	<b>GP.W.7</b> C.4.7.	Students will compose routinely over extended and shorter time frames for a variety of tasks,
STANDARD / ORGANIZER		Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy
STANDARD / ORGANIZER		Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.
STANDARD / ORGANIZER		Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement
STANDARD / ORGANIZER		Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance
STANDARD / ORGANIZER		Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal
ST ANDARD I ORGANIZER  EXPECTATION		Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
STANDARD / ORGANIZER  EXPECTATION  STRAND  CATEGORY /		Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation  Language—Grade 4
STANDARD / ORGANIZER  EXPECTATION  STRAND  CATEGORY / GOAL  STANDARD /	C.4.7.	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation  Language—Grade 4  Knowledge of Language  Students will apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when
STANDARD / ORGANIZER  EXPECTATION  STRAND  CATEGORY / GOAL  STANDARD / ORGANIZER	C.4.7.	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation  Language—Grade 4  Knowledge of Language  Students will apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.
STANDARD / ORGANIZER  EXPECTATION  STRAND  CATEGORY / GOAL  STANDARD / ORGANIZER  EXPECTATION	GP.L.3 L.4.3.	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.  Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation  Language—Grade 4  Knowledge of Language  Students will apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.  Use knowledge of language and its conventions when writing, speaking, reading or listening.

3-5 Explore Renewables Energy Poster Project
3-5 Final Presentation & Peer Performance
Assembly Announcement
Carbon Footprint Journal
Staff Presentation

STRAND	Language—Grade 4

CATEGORY / GOAL		Vocabulary Acquisition and Use
STANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.4.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.4.4.a.	Use context (e.g., definitions, examples or restatements in text) as a clue to the meaning of a word or phrase.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
INDICATOR	L.4.4.d.	Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions and that are basic to a particular topic.

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3-5 Explore Renewables Energy Poster Project
3-5 Final Presentation & Peer Performance
3-8 Custodial Presentation & Pledge
Assembly Announcement
Carbon Footprint Journal
Family Presentation
Staff Presentation

# Kentucky Academic Standards Language Arts Grade: 5 - Adopted: 2019

### STRAND Reading Foundational Skills—Grade 5

		·
CATEGORY / GOAL		Fluency
ST ANDARD / ORGANIZER	RF.5.4.	Read fluently (accuracy, speed and prosody) on grade-level texts to support comprehension.
EXPECTATION	RF.5.4.a.	Read grade-level text with purpose and understanding.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation
EXPECTATION	RF.5.4.c.	Use context to confirm or self-correct word recognition and understanding, rereading as necessary.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge

# STRAND Reading Standards for Informational Text—Grade 5

Assembly Announcement Family Presentation Staff Presentation

CATEGORY / GOAL	Ke	/ Ideas and Details		

STANDARD / ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.
EXPECTATION	RI.5.2.	Analyze how the central ideas are reflected in a text, and cite relevant implicit and explicit evidence to support thinking.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge Assembly Announcement
		Family Presentation
		Staff Presentation
STRAND		Reading Standards for Informational Text—Grade 5
CATEGORY / GOAL		Craft and Structure
STANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.
EXPECTATION	RI.5.4.	Determine the meaning of general academic and domain-specific words or phrases in a grade-level text, and analyze how those words and phrases shape meaning.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge Assembly Announcement
		Family Presentation
		Staff Presentation
STRAND		Reading Standards for Informational Text—Grade 5
CATEGORY/ GOAL		Integration of Knowledge and Ideas
STANDARD / ORGANIZER	GP.R.7	Students will integrate and evaluate content presented in print/non-print forms of text found in diverse media and formats.
EXPECTATION	RI.5.7.	Analyze information from multiple print and non-print formats, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge Assembly Announcement
		Family Presentation
		Staff Presentation
STRAND		Reading Standards for Informational Text—Grade 5
STRAND CATEGORY/ GOAL		Reading Standards for Informational Text—Grade 5  Range of Reading and Level of Text Complexity
	GP.R.10	
CATEGORY / GOAL STANDARD /	<b>GP.R.10</b> RI.5.10.	Range of Reading and Level of Text Complexity  Students will read, comprehend and analyze complex informational texts independently and

3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

STRAND	Composition—Grade 5
STRAND	Composition—Grade 5

CATEGORY / GOAL		Text Types and Purposes	
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.	
EXPECTATION	C.5.1.	Compose opinion pieces, using writing and digital resources, on topics or texts, supporting the writer's perspective with reasons and information.	
INDICATOR	C.5.1.a.	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose and audience.	
		Alliance to Save Energy	
		3-5 Explore Renewables Energy Poster Project	
		3-5 Final Presentation & Peer Performance	
		Assembly Announcement Carbon Footprint Journal	
		Staff Presentation	
INDICATOR	C.5.1.f.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.	
		Alliance to Save Energy	
		3-5 Explore Renewables Energy Poster Project	
		3-5 Final Presentation & Peer Performance	
		Assembly Announcement	
		Carbon Footprint Journal	

# STRAND Composition—Grade 5

Staff Presentation

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.5.2.	Compose informative and/or explanatory texts, using writing and digital resources, to examine a topic and convey ideas and information clearly.
INDICATOR	C.5.2.a.	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose and audience.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.5.2.b.	Introduce a topic clearly, provide a general observation and focus and group related information logically; include formatting, illustrations and multimedia when useful to aiding comprehension.

# Alliance to Save Energy

3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation

INDICATOR	C.5.2.c.	Develop the topic with facts, definitions, concrete details, quotations or other information and examples related to the topic.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance 3-5 My Future Green Career 3-8 Custodial Presentation & Pledge Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.5.2.d.	Use grade-appropriate conjunctions to develop text structure within sentences.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.5.2.e.	Use grade-appropriate transitions to develop text structure across paragraphs.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.5.2.f.	Use precise language and domain-specific vocabulary to inform about or explain the topic.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.5.2.g.	Provide a concluding section.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.5.2.h.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
STRAND		Composition—Grade 5

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.
EXPECTATION	C.5.3.	Compose narratives, using writing and digital resources, to develop real or imagined experiences or multiple events or ideas, using effective technique, descriptive details and clear sequences.
INDICATOR	C.5.3.a.	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose and audience.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.5.3.g.	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.  Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation
STRAND		Composition—Grade 5
CATEGORY / GOAL		Research to Build and Present Knowledge
ST ANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.5.5.	Conduct short research projects that use several sources to build knowledge through investigation of differen

# Alliance to Save Energy

aspects of a topic.

3-5 Explore Renewables Energy Poster Project

3-5 My Future Green Career

### **STRAND** Composition—Grade 5

CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.

### EXPECTATION C.5.6.

 $Summarize\ relevant\ information\ from\ experiences,\ or\ gather\ relevant\ information\ from\ multiple\ print\ and\ digital$ sources; summarize or paraphrase applicable information in notes and finished work and provide a list of sources.

## Alliance to Save Energy

3-5 Explore Renewables Energy Poster Project

3-5 My Future Green Career

### **STRAND** Composition—Grade 5

CATEGORY / GOAL		Range of Writing
STANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
EXPECTATION	C.5.7.	Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.
		Alliance to Save Energy 3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance Assembly Announcement Carbon Footprint Journal Staff Presentation

### STRAND Language—Grade 5

CATEGORY / GOAL		Vocabulary Acquisition and Use
STANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.5.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.5.4.a.	Use context (e.g., cause/effect relationships and comparisons in text) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
INDICATOR	L.5.4.d.	Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition and other logical relationships.

# Alliance to Save Energy

3-5 Explore Renewables Energy Poster Project 3-5 Final Presentation & Peer Performance 3-8 Custodial Presentation & Pledge **Assembly Announcement** Carbon Footprint Journal Family Presentation

Staff Presentation

Kentucky Academic Standards Language Arts Grade: 6 - Adopted: 2019

### **STRAND** Reading Standards for Informational Text—Grade 6

CATEGORY / GOAL		Key Ideas and Details
ST ANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.

EXPECTATION RI.6.1. Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from text.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  STRAND Reading Standards for Informational Text—Grade 6  CATEGORY / GOAL  STANDARD / ORGANIZER  GP.R.2 Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION RI.6.2. Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation Staff Presentation Staff Presentation  Reading Standards for Informational Text—Grade 6  CATEGORY / GOAL
3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation Staff Presentation Staff Presentation STRAND Reading Standards for Informational Text—Grade 6  Key Ideas and Details GAL STANDARD / ORGANIZER GP.R.2 Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION RI.6.2. Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation Staff Presentation  STRAND Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation  Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / GOAL  STANDARD / ORGANIZER  GP.R.2  Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION  RI.6.2.  Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / GOAL  STANDARD / ORGANIZER  GP.R.2  Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION  RI.6.2.  Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / GOAL  STANDARD / ORGANIZER  Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION  RI.6.2.  Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
CATEGORY / GOAL  STANDARD / ORGANIZER  GP.R.2 Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION  RI.6.2. Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
STANDARD / ORGANIZER  GP.R.2 Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION RI.6.2. Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  STRAND Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
textual evidence, including summary, paraphrase and direct quotations to support conclusion drawn from the text.  EXPECTATION  RI.6.2. Analyze how the central ideas are reflected in a text by citing particular details and/or providing an object summary.  Alliance to Save Energy  3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation  Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  Staff Presentation  CATEGORY / Craft and Structure
3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY I  Craft and Structure
Assembly Announcement Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY I  Craft and Structure
Family Presentation Staff Presentation  STRAND  Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
STRAND Reading Standards for Informational Text—Grade 6  CATEGORY / Craft and Structure
CATEGORY / Craft and Structure
STANDARD / ORGANIZER  GP.R.4  Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.
EXPECTATION RI.6.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative a technical meanings; analyze the impact of a specific word choice on meaning and tone.
Alliance to Save Energy
3-8 Custodial Presentation & Pledge
Assembly Announcement  Family Presentation
Staff Presentation
STRAND Reading Standards for Informational Text—Grade 6
CATEGORY / Integration of Knowledge and Ideas GOAL
STANDARD / ORGANIZER GP.R.7 Students will integrate and evaluate content presented in print/non-print forms of text found diverse media and formats.
EXPECTATION RI.6.7. Integrate information presented in print and non-print formats to develop a coherent understanding of a top issue.
Alliance to Save Energy
6-8 Explore Renewables Energy Poster Project
6-8 My Future Green Career
STRAND Reading Standards for Informational Text—Grade 6
CATEGORY / Range of Reading and Level of Text Complexity GOAL

ST ANDARD / ORGANIZER	GP.R.10	Students will read, comprehend and analyze complex informational texts independently and proficiently.
EXPECTATION	RI.6.10.	By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read, comprehend and analyze grade-level appropriate, complex informational texts independently and proficiently.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge
		Assembly Announcement Family Presentation
		Staff Presentation
STRAND		Composition—Grade 6
CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.6.1.	Compose arguments to support claims with clear reasons and relevant evidence.
INDICATOR	C.6.1.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.6.1.e.	Establish and maintain a formal style.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.6.1.g.	With some guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project
		Assembly Announcement Carbon Footprint Journal
		Staff Presentation
STRAND		Composition—Grade 6
CATEGORY / GOAL		Text Types and Purposes
ST ANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.6.2.	Compose informative and/or explanatory texts to examine a topic and convey ideas, concepts and information through the selection, organization, and analysis of relevant content.

INDICATOR	C.6.2.a.	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose and audience.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.6.2.b.	Introduce a topic, previewing what is to follow; organize ideas, concepts and information, using strategies such as definition, classification, comparison/contrast, and cause/effect; include formatting, graphics and multimedia when useful to aiding comprehension.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.6.2.c.	Develop the topic with relevant facts, definitions, concrete details, quotations or other information and examples.
		Alliance to Save Energy  3-8 Custodial Presentation & Pledge 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project 6-8 My Future Green Career Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.6.2.d.	Use appropriate transitions to clarify the relationships among ideas and concepts.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.6.2.e.	Use precise language and domain-specific vocabulary to inform about or explain the topic.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.6.2.g.	Provide a concluding statement or section that follows from the information or explanation presented.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

INDICATOR	C.6.2.h.	With some guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
STRAND		Composition—Grade 6
CATEGORY <i>I</i> GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.
EXPECTATION	C.6.3.	Compose narratives to develop real or imagined experiences or multiple events, memories or ideas, using effective technique, relevant descriptive details and well-structured event sequences.
INDICATOR	C.6.3.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.6.3.g.	With guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal Staff Presentation
STRAND		Composition—Grade 6
CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.6.5.	Conduct short research projects to answer a question, drawing on several sources.
		Alliance to Save Energy
		6-8 Explore Renewables Energy Poster Project 6-8 My Future Green Career
STRAND		Composition—Grade 6
CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD /	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the

EXPECTATION	C.6.6.	Gather relevant information from multiple print and digital sources; assess the credibility of each source; and, in order to reflect or interpret, quote or paraphrase data and conclusions of others, avoiding plagiarism by providing in-text and bibliographic MLA or APA citation.
		Alliance to Save Energy

6-8 Explore Renewables Energy Poster Project6-8 My Future Green Career

## STRAND Composition—Grade 6

CATEGORY / GOAL		Range of Writing
STANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
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EXPECTATION C.6.7. Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

# STRAND Language—Grade 6

CATEGORY / GOAL		Conventions of Standard English
STANDARD / ORGANIZER	GP.L.1	Students will demonstrate command of the conventions of standard English grammar and usage when writing and speaking.
EXPECTATION	L.6.1.	In both written and oral expression:
INDICATOR	L.6.1.c.	Recognize variations from standard English and implement strategies to improve expression in conventional language.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

### STRAND Language—Grade 6

CATEGORY / GOAL		Vocabulary Acquisition and Use
ST ANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.6.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 6 reading and content, choosing flexibly from an array of strategies.

INDICATOR	L.6.4.a.	Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation
INDICATOR	L.6.4.d.	Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Family Presentation
		Staff Presentation
		Kentucky Academic Standards
		Language Arts
		Grade: 7 - Adopted: 2019
STRAND		Reading Standards for Informational Text—Grade 7
CATEGORY / GOAL		Key Ideas and Details
ST ANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.
EXPECTATION	RI.7.1.	Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation Staff Presentation
		Sail Fleseliation
STRAND		Reading Standards for Informational Text—Grade 7
CATEGORY / GOAL		Key Ideas and Details
STANDARD / ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.
EXPECTATION	RI.7.2.	Determine central ideas of a text and analyze their development through citing textual evidence, paraphrasing or summarizing.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation
CTDAND		Deading Chandands for Informational Task Conde 7
STRAND		Reading Standards for Informational Text—Grade 7

CATEGORY / GOAL

**Craft and Structure** 

STANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.
EXPECTATION	RI.7.4.	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative and technical meanings; analyze the impact of word choices on meaning and tone.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

# STRAND

# Reading Standards for Informational Text—Grade 7

CATEGORY / GOAL		Range of Reading and Level of Text Complexity
STANDARD / ORGANIZER	GP.R.10	Students will read, comprehend and analyze complex informational texts independently and proficiently.
EXPECTATION	RI.7.10.	By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read, comprehend and analyze grade-level appropriate, complex informational texts independently and proficiently.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation

### STRAND

# Composition—Grade 7

Staff Presentation

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.7.1.	Compose arguments to support claims with clear reasons and relevant evidence.
INDICATOR	C.7.1.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.7.1.e.	Establish and maintain a task appropriate writing style.

### Alliance to Save Energy

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project **Assembly Announcement** Carbon Footprint Journal Staff Presentation

INDICATOR	C.7.1.g.	With some guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on how well purpose and audience have been addressed.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

# STRAND Composition—Grade 7

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.7.2.	Compose informative and/or explanatory texts to examine a topic and convey ideas, concepts and information through the selection, organization and analysis of relevant content.
INDICATOR	C.7.2.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.7.2.b.	Introduce a topic clearly; organize ideas, concepts and information, using strategies such as definition, classification, comparison/contrast and cause/effect; include formatting, graphics and multimedia when useful tail
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.7.2.c.	Develop the topic with relevant facts, definitions, concrete details, quotations or other information and examples.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		6-8 My Future Green Career
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.7.2.d.	Use appropriate transitions to create cohesion and clarify the relationships among ideas and concepts.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

INDICATOR	C.7.2.e.	Use precise language and domain-specific vocabulary to inform about or explain the topic.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.7.2.g.	Provide a concluding statement or section that follows from and supports the information or explanation presented.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.7.2.h.	With some guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on how well purpose and audience have been addressed.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
STRAND		Composition—Grade 7
CATEGORY / GOAL		Text Types and Purposes

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.
EXPECTATION	C.7.3.	Compose narratives to develop real or imagined experiences or multiple events, memories or ideas using effective technique, relevant descriptive details and well-structured event sequences.
INDICATOR	C.7.3.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.7.3.g.	With guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

# STRAND Composition—Grade 7

CATEGORY / GOAL		Research to Build and Present Knowledge
ST ANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.7.5.	Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions for further research and investigation.
		Alliance to Save Energy 6-8 Explore Renewables Energy Poster Project 6-8 My Future Green Career
STRAND		Composition—Grade 7
CATEGORY/ GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.
EXPECTATION	C.7.6.	Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and, in order to engage in reflection or analysis, quote or paraphrase data and conclusions of others, avoiding plagiarism by providing in-text and bibliographic MLA or APA citation.
		Alliance to Save Energy 6-8 Explore Renewables Energy Poster Project 6-8 My Future Green Career
STRAND		Composition—Grade 7
CATEGORY / GOAL		Range of Writing
STANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
EXPECTATION	C.7.7.	Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and audiences.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
STRAND		Language—Grade 7
CATEGORY / GOAL		Knowledge of Language
STANDARD / ORGANIZER	GP.L.3	Students will apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.

Use knowledge of language and its conventions when writing, speaking, reading or listening.

reading or listening.

EXPECTATION L.7.3.

INDICATOR	L.7.3.a.	Choose language that expresses ideas precisely and concisely, recognizing and eliminating wordiness and redundancy.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal
		Staff Presentation

### STRAND Language—Grade 7

CATEGORY/ GOAL		Vocabulary Acquisition and Use
STANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.7.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 7 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.7.4.a.	Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

# INDICATOR L.7.4.d.

STRAND

Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.

### Alliance to Save Energy

3-8 Custodial Presentation & Pledge
6-12 Final Presentation & Peer Performance
6-8 Explore Renewables Energy Poster Project
Assembly Announcement
Carbon Footprint Journal
Family Presentation
Staff Presentation

Kentucky Academic Standards
Language Arts
Grade: 8 - Adopted: 2019

### Reading Standards for Informational Text—Grade 8

CATEGORY / GOAL		Key Ideas and Details
ST ANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.
EXPECTATION	RI.8.1.	Cite relevant textual evidence to support analysis of what the text says explicitly as well as inferences drawn

from the text.

Alliance to Save Energy
3-8 Custodial Presentation & Pledge
Assembly Announcement
Family Presentation
Staff Presentation

### **STRAND**

### Reading Standards for Informational Text—Grade 8

CATEGORY / GOAL		Key Ideas and Details
STANDARD / ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.
EXPECTATION	RI.8.2.	Determine central ideas of a text, and analyze how they are developed through relationships of key details, citing textual evidence, paraphrasing or summarizing.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation

# STRAND

### Reading Standards for Informational Text—Grade 8

CATEGORY / GOAL		Craft and Structure
STANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.
EXPECTATION	RI.8.4.	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative and technical meanings; analyze the impact of specific word choices on meaning and tone.

# Alliance to Save Energy

Staff Presentation

3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### **STRAND**

### Reading Standards for Informational Text—Grade 8

CATEGORY / GOAL		Range of Reading and Level of Text Complexity
STANDARD / ORGANIZER	GP.R.10	Students will read, comprehend and analyze complex informational texts independently and proficiently.

## EXPECTATION RI.8.10.

By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read, comprehend, and analyze grade-level appropriate, complex informational texts independently and proficiently.

# Alliance to Save Energy

3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### STRAND Composition—Grade 8

CATEGORY / GOAL		Text Types and Purposes
ST ANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.8.1.	Compose arguments to support claims with clear reasons and relevant evidence.

INDICATOR	C.8.1.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.8.1.e.	Establish and maintain a task appropriate writing style.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation

With some guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying

a new approach, focusing on how well purpose and audience have been addressed.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

### STRAND Composition—Grade 8

C.8.1.g.

INDICATOR

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.8.2.	Compose informative and/or explanatory texts to examine a topic and convey ideas, concepts and information through the selection, organization and analysis of relevant content.
INDICATOR	C.8.2.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.8.2.b.	Introduce a topic clearly; organize ideas, concepts and information into broader categories; include formatting, graphics and multimedia when useful to aiding comprehension.

### Alliance to Save Energy

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

INDICATOR	C.8.2.c.	Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations or other information and examples.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project 6-8 My Future Green Career Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.8.2.d.	Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.8.2.e.	Use precise language and domain-specific vocabulary to inform about or explain the topic.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.8.2.g.	Provide a concluding statement or section that follows from and supports the information or explanation presented.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project
		Assembly Announcement
		Carbon Footprint Journal Staff Presentation
INDICATOR	C.8.2.h.	With some guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on how well purpose and audience have been addressed.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
STRAND		Composition—Grade 8
CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.

Use narratives strategically in other modes of writing, utilizing effective technique, well-chosen details and well-structured sequences for an intended purpose.

EXPECTATION C.8.3.

INDICATOR	C.8.3.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.8.3.g.	With guidance, develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
STRAND		Composition—Grade 8
CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.8.5.	Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating new avenues for inquiry.  Alliance to Save Energy 6-8 Explore Renewables Energy Poster Project 6-8 My Future Green Career
STRAND		Composition—Grade 8
CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.
EXPECTATION	C.8.6.	Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and, in order to reflect, analyze or complete short research projects, quote or paraphrase the data and conclusions of others while avoiding plagiarism by providing in-text and bibliographic MLA or APA citation.  Alliance to Save Energy 6-8 Explore Renewables Energy Poster Project 6-8 My Future Green Career
STRAND		Composition—Grade 8
CATEGORY / GOAL		Range of Writing

Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.

STANDARD / ORGANIZER GP.W.7

EXPECTATION C.8.7. Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes and			Alliance to Save Energy
	EXPECTATION	C.8.7.	

6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

### STRAND Language—Grade 8

CATEGORY / GOAL		Vocabulary Acquisition and Use
ST ANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.8.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 8 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.8.4.a.	Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge Assembly Announcement Family Presentation

### INDICATOR L.8.4.d.

Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.

### Alliance to Save Energy

Staff Presentation

3-8 Custodial Presentation & Pledge 6-12 Final Presentation & Peer Performance 6-8 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Family Presentation Staff Presentation

Kentucky Academic Standards
Language Arts
Grade: 9 - Adopted: 2019

# STRAND Reading Standards for Informational Text—Grade 9-10

CATEGORY / GOAL		Key Ideas and Details
STANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.

EXPECTATION RI.9-10.1. Cite relevant and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### **STRAND**

### Reading Standards for Informational Text—Grade 9-10

CATEGORY / GOAL		Key Ideas and Details
STANDARD / ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.
EVDECTATION	DIO 10 2	Determine central ideas of a text and analyze in detail their development ever the source of a text including

### EXPECTATION

RI.9-10.2. Determine central ideas of a text and analyze in detail their development over the course of a text, including how they emerge and are shaped and refined by specific details.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

### STRAND

### Reading Standards for Informational Text—Grade 9-10

CATEGORY / GOAL		Craft and Structure
STANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.

### EXPECTATION

RI.9-10.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative and technical meanings; analyze the cumulative impact of specific word choices on meaning and tone.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

### **STRAND**

### Reading Standards for Informational Text—Grade 9-10

CATEGORY / GOAL		Range of Reading and Level of Text Complexity
STANDARD / ORGANIZER	GP.R.10	Students will read, comprehend and analyze complex informational texts independently and proficiently.
EXPECTATION	RI.9- 10.10.	By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read, comprehend and analyze grade-level appropriate, complex informational texts independently and proficiently.

# Alliance to Save Energy

9-12 Custodial Presentation & Pledge Assembly Announcement **Family Presentation** Staff Presentation

### **STRAND**

### Composition—Grade 9-10

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.9- 10.1.	Compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.

INDICATOR

C.9-10.1.a. Produce clear and coherent writing in which the development, organization and style are appropriate to task,

purpose and audience.

Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Explore Renewables Energy Poster Project

**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Staff Presentation

**INDICATOR** 

C.9-

Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach,

10.1.g. focusing on addressing what is most significant for a specific purpose and audience.

Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Explore Renewables Energy Poster Project

**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Staff Presentation

**STRAND** 

### Composition—Grade 9-10

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.9- 10.2.	Compose informative and/or explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization and analysis of content.
INDICATOR	C.9- 10.2.a.	Produce writing in which the development and organization are appropriate to task and purpose.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.9-	Introduce a topic; organize complex ideas, concepts, and information to make important connections and
	10.2.b.	distinctions; include formatting, graphics and multimedia when useful to aiding comprehension.

### Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Explore Renewables Energy Poster Project

**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Staff Presentation

INDICATOR	C.9- 10.2.c.	Develop the topic with well-chosen, relevant and sufficient facts, extended definitions, concrete details, quotations or other information and examples appropriate to the audience's knowledge of the topic.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance
		9-12 Custodial Presentation & Pledge
		9-12 Explore Renewables Energy Poster Project
		9-12 My Future Green Career
		Assembly Announcement Capstone Project
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.9- 10.2.d.	Use appropriate and varied transitions to link the major sections of the text, create cohesion, and clarify the relationships among complex ideas and concepts.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.9- 10.2.e.	Use precise language and domain-specific vocabulary to manage the complexity of the topic.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.9- 10.2.g.	Provide a concluding statement or section that follows from and supports the information or explanation presented.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project Assembly Announcement
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.9- 10.2.h.	Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement Capstone Project
		Carbon Footprint Journal
		Staff Presentation
STRAND		Composition—Grade 9-10
CATEGORY / GOAL		Text Types and Purposes

EXPECTATION	C.9- 10.3.	Use narratives strategically in other modes of writing, utilizing effective technique, well-chosen details and well-structured sequences for an intended purpose, including but not limited to introducing an idea and/or supporting a claim.
INDICATOR	C.9- 10.3.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task and purpose.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.3.g.	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.

Staff Presentation

6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal

### STRAND Composition—Grade 9-10

CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

### EXPECTATION

C.9-10.5. Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Capstone Project

### STRAND

### Composition—Grade 9-10

CATEGORY / GOAL		Research to Build and Present Knowledge
ST ANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.

### **EXPECTATION**

C.9-10.6. Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Capstone Project

### STRAND

Composition—Grade 9-10

CATEGORY / GOAL		Range of Writing
ST ANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
EXPECTATION	C.9-10.7.	Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes, and

audiences.

6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project

Assembly Announcement
Capstone Project
Carbon Footprint Journal
Staff Presentation

### STRAND Language—Grade 9-10

CATEGORY / GOAL		Vocabulary Acquisition and Use
STANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.9-10.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grades 9-10 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.9- 10.4.a.	Use context (e.g., the overall meaning of a sentence, paragraph or text; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy
		9-12 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation
INDICATOR	L.9-	Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading,
	10.4.d.	writing, speaking and listening in order to be transition ready; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.

### Alliance to Save Energy

6-12 Final Presentation & Peer Performance
9-12 Custodial Presentation & Pledge
9-12 Explore Renewables Energy Poster Project
Assembly Announcement
Carbon Footprint Journal
Family Presentation
Staff Presentation

Kentucky Academic Standards
Language Arts
Grade: 10 - Adopted: 2019

### STRAND Reading Standards for Informational Text—Grade 9-10

CATEGORY / GOAL	Key Ideas and Details
STANDARD / ORGANIZER	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.

### **EXPECTATION**

RI.9-10.1. Cite relevant and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

### **STRAND**

### Reading Standards for Informational Text—Grade 9-10

mine central ideas of a text and analyze their development; cite specific cluding summary, paraphrase and direct quotations to support conclusions t.

### **EXPECTATION**

RI.9-10.2. Determine central ideas of a text and analyze in detail their development over the course of a text, including how they emerge and are shaped and refined by specific details.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

### **STRAND**

### Reading Standards for Informational Text—Grade 9-10

CATEGORY / GOAL		Craft and Structure
ST ANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.

### EXPECTATION

RI.9-10.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative and technical meanings; analyze the cumulative impact of specific word choices on meaning and tone.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement Family Presentation** Staff Presentation

### **STRAND**

### Reading Standards for Informational Text—Grade 9-10

STANDARD / ORGANIZER GP.R.10 Students will read, comprehend and analyze complex informational texts independently and proficiently.	CATEGORY / GOAL		Range of Reading and Level of Text Complexity
		GP.R.10	

### **EXPECTATION**

RI.9-10.10. By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read, comprehend and analyze grade-level appropriate, complex informational texts independently and proficiently.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

### STRAND

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.9- 10.1.	Compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
INDICATOR	C.9- 10.1.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.1.g.	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation

### STRAND

### Composition—Grade 9-10

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.9- 10.2.	Compose informative and/or explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization and analysis of content.
INDICATOR	C.9- 10.2.a.	Produce writing in which the development and organization are appropriate to task and purpose.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.2.b.	Introduce a topic; organize complex ideas, concepts, and information to make important connections and distinctions; include formatting, graphics and multimedia when useful to aiding comprehension.
		Alliance to Save Energy

6-12 Final Presentation & Peer Performance
9-12 Explore Renewables Energy Poster Project
Assembly Announcement
Capstone Project
Carbon Footprint Journal
Staff Presentation

STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.
CATEGORY / GOAL		Text Types and Purposes
STRAND		Composition—Grade 9-10
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.2.h.	Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.
INDICATOR	C.9- 10.2.g.	Provide a concluding statement or section that follows from and supports the information or explanation presented.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.2.e.	Use precise language and domain-specific vocabulary to manage the complexity of the topic.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.2.d.	Use appropriate and varied transitions to link the major sections of the text, create cohesion, and clarify the relationships among complex ideas and concepts.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Custodial Presentation & Pledge 9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.2.c.	Develop the topic with well-chosen, relevant and sufficient facts, extended definitions, concrete details, quotations or other information and examples appropriate to the audience's knowledge of the topic.

EXPECTATION	C.9- 10.3.	Use narratives strategically in other modes of writing, utilizing effective technique, well-chosen details and well-structured sequences for an intended purpose, including but not limited to introducing an idea and/or supporting a claim.
INDICATOR	C.9- 10.3.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task and purpose.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.9- 10.3.g.	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.

6-12 Final Presentation & Peer Performance
9-12 Explore Renewables Energy Poster Project
Assembly Announcement
Capstone Project
Carbon Footprint Journal

Staff Presentation

### STRAND Composition—Grade 9-10

CATEGORY / GOAL	Research to Build and Present Knowledge
STANDARD / ORGANIZER	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

### **EXPECTATION**

C.9-10.5. Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project

9-12 My Future Green Career

Capstone Project

### STRAND Composition—Grade 9-10

CATEGORY / GOAL		Research to Build and Present Knowledge
ST ANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.

### **EXPECTATION**

C.9-10.6. Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Capstone Project

### STRAND Composition—Grade 9-10

CATEGORY / GOAL		Range of Writing
ST ANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
EXPECTATION	C.9-10.7.	Compose routinely over extended time frames and shorter time frames for a variety of tasks, purposes, and audiences.

6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation

### STRAND Language—Grade 9-10

CATEGORY / GOAL		Vocabulary Acquisition and Use
STANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.9-10.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grades 9-10 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.9- 10.4.a.	Use context (e.g., the overall meaning of a sentence, paragraph or text; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy
		9-12 Custodial Presentation & Pledge
		Assembly Announcement
		Family Presentation
		Staff Presentation
INDICATOR	L.9-	Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading,
	10.4.d.	writing, speaking and listening in order to be transition ready; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.

### Alliance to Save Energy

6-12 Final Presentation & Peer Performance
9-12 Custodial Presentation & Pledge
9-12 Explore Renewables Energy Poster Project
Assembly Announcement
Carbon Footprint Journal
Family Presentation
Staff Presentation

Kentucky Academic Standards
Language Arts
Grade: 11 - Adopted: 2019

### STRAND Reading Standards for Literature—Grade 11-12

CATEGORY / GOAL	Key Ideas and Details
STANDARD / ORGANIZER	Students will determine central ideas or themes of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations, to support conclusions drawn from the text.

EXPECTATION	RL.11-	Determine two or more themes or central ideas of a text and analyze their development over the course of the
	12.2.	text, including how they interact and build on one another to produce a complex account.

9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### STRAND Reading Standards for Informational Text—Grade 11-12

CATEGORY / GOAL		Key Ideas and Details
ST ANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.
EXPECTATION	RI.11- 12.1.	Cite relevant and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
		Alliance to Save Energy 9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation

### STRAND Reading Standards for Informational Text—Grade 11-12

Staff Presentation

CATEGORY / GOAL		Key Ideas and Details
STANDARD / ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.
EXPECTATION	RI.11- 12.2.	Determine two or more central ideas of a text and analyze their development over the course of the text, including how they interact and build on one another to produce a complex account.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### STRAND Reading Standards for Informational Text—Grade 11-12

CATEGORY / GOAL		Craft and Structure
STANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.
EXPECTATION	RI.11-	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative and

# technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text.

Alliance to Save Energy

9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### STRAND

CATEGORY / GOAL		Integration of Knowledge and Ideas
STANDARD / ORGANIZER	GP.R.7	Students will integrate and evaluate content presented in print/non-print forms of text found in diverse media and formats.
EXPECTATION	RI.11- 12.7.	Integrate and evaluate multiple sources of information presented in different print and non-print formats in order to address a question or solve a problem.
		Alliance to Save Energy Capstone Project

### STRAND

### Reading Standards for Informational Text—Grade 11-12

CATEGORY / GOAL		Range of Reading and Level of Text Complexity
STANDARD / ORGANIZER	GP.R.10	Students will read, comprehend and analyze complex informational texts independently and proficiently.
EXPECTATION	RI.11- 12.10.	By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read, comprehend, and analyze grade-level appropriate, complex informational texts independently and proficiently.
		Alliance to Save Energy 9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

### STRAND Co

Com	position-	-Grade	11-12
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CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.11- 12.1.	Compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
INDICATOR	C.11- 12.1.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.1.e.	Establish and maintain a task appropriate writing style.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance

6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation

INDICATOR	C.11- 12.1.g.	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach focusing on addressing what is most significant for a specific purpose and audience.
	J	
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation

### STRAND Composition—Grade 11-12

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.11- 12.2.	Compose informative/explanatory texts to examine and/or convey complex ideas, concepts and information clearly and accurately through the effective selection, organization and analysis of content.
INDICATOR	C.11- 12.2.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.11- 12.2.b.	Introduce a topic; organize complex ideas, concepts and information so that each new element builds on that which precedes it to create a unified whole; include formatting, graphics and multimedia when useful to aiding comprehension.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.11- 12.2.c.	Develop the topic thoroughly by selecting the most significant and relevant facts, extended definitions, concrete details, quotations or other information and examples appropriate to the audience's knowledge of the topic.
		Allianas As Carr Fragger

### Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Custodial Presentation & Pledge

9-12 Explore Renewables Energy Poster Project

9-12 My Future Green Career

Assembly Announcement

Capstone Project

Carbon Footprint Journal

Staff Presentation

INDICATOR	C.11- 12.2.d.	Use appropriate and varied transitions and syntax to link the major sections of the text, create cohesion and clarify the relationships among complex ideas and concepts.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.e.	Use precise language, domain-specific vocabulary and techniques such as metaphor, simile and analogy to manage the complexity of the topic.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.f.	Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.g.	Provide a concluding statement or section that follows from and supports the information or explanation presented.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.h.	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
STRAND		Composition—Grade 11-12
CATEGORY / GOAL		Text Types and Purposes
ST ANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.

Use narratives strategically in other modes of writing utilizing effective technique, well-chosen details and well-structured sequences for an intended purpose, including but not limited to introducing an issue and/or supporting a claim.

EXPECTATION C.11-

12.3.

NDICATOR	C.11-	Produce clear and coherent writing in which the development, organization and style are appropriate to task
	12.3.a.	purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation
NDICATOR	C.11-	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach,
	12.3.g.	focusing on addressing what is most significant for a specific purpose and audience.
		Alliance to Save Energy

6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal

Staff Presentation

### STRAND Composition—Grade 11-12

CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.11- 12.5.	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Capstone Project

### STRAND Composition—Grade 11-12

CATEGORY/ GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.
EXPECTATION	C.11- 12.6.	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the task, purpose and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Capstone Project

### STRAND Composition—Grade 11-12

CATEGORY / Range of Writing GOAL
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STANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
EXPECTATION	C.11- 12.7.	Compose routinely over extended time frames and shorter time frames for a variety of task, purposes and audiences.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation

### STRAND Language—Grade 11-12

CATEGORY / GOAL		Vocabulary Acquisition and Use
STANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.11- 12.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 11-12 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.11- 12.4.a.	Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy 9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
INDICATOR	L.11- 12.4.d.	Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking and listening at the college and career readiness level: demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Custodial Presentation & Pledge 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Family Presentation Staff Presentation

Kentucky Academic Standards Language Arts

Grade: 12 - Adopted: 2019

### STRAND Reading Standards for Literature—Grade 11-12

CATEGORY / GOAL	Key Ideas and Details
STANDARD / ORGANIZER	Students will determine central ideas or themes of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations, to support conclusions drawn from the text.

EXPECTATION	RL.11-	Determine two or more themes or central ideas of a text and analyze their development over the course of the
	12.2.	text, including how they interact and build on one another to produce a complex account.

9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

#### **STRAND** Reading Standards for Informational Text—Grade 11-12

CATEGORY / GOAL		Key Ideas and Details
STANDARD / ORGANIZER	GP.R.1	Students will read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence to support conclusions drawn from the text.
EXPECTATION	RI.11- 12.1.	Cite relevant and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
		Alliance to Save Energy 9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

#### STRAND Reading Standards for Informational Text—Grade 11-12

CATEGORY / GOAL		Key Ideas and Details
STANDARD / ORGANIZER	GP.R.2	Students will determine central ideas of a text and analyze their development; cite specific textual evidence, including summary, paraphrase and direct quotations to support conclusions drawn from the text.
EXPECTATION	RI.11- 12.2.	Determine two or more central ideas of a text and analyze their development over the course of the text, including how they interact and build on one another to produce a complex account.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

#### **STRAND** Reading Standards for Informational Text—Grade 11-12

CATEGORY / GOAL		Craft and Structure
STANDARD / ORGANIZER	GP.R.4	Students will interpret words and phrases as they are used in a text, including determining technical, connotative and figurative meanings, and analyze how specific word choices shape meaning or tone.
EXPECTATION	RI.11-	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative and

### 12.4.

technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge **Assembly Announcement** Family Presentation Staff Presentation

### STRAND

CATEGORY / GOAL		Integration of Knowledge and Ideas
STANDARD / ORGANIZER	GP.R.7	Students will integrate and evaluate content presented in print/non-print forms of text found in diverse media and formats.
EXPECTATION	RI.11- 12.7.	Integrate and evaluate multiple sources of information presented in different print and non-print formats in order to address a question or solve a problem.
		Alliance to Save Energy Capstone Project

#### STRAND Reading Standards for Informational Text—Grade 11-12

CATEGORY / GOAL		Range of Reading and Level of Text Complexity
STANDARD / ORGANIZER	GP.R.10	Students will read, comprehend and analyze complex informational texts independently and proficiently.
EXPECTATION	RI.11- 12.10.	By the end of the year, flexibly use a variety of comprehension strategies (i.e., questioning, monitoring, visualizing, inferencing, summarizing, synthesizing, using prior knowledge, determining importance) to read,

comprehend, and analyze grade-level appropriate, complex informational texts independently and proficiently.

### Alliance to Save Energy

9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation

#### Composition—Grade 11-12 STRAND

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.1	Students will compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
EXPECTATION	C.11- 12.1.	Compose arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
INDICATOR	C.11- 12.1.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.1.e.	Establish and maintain a task appropriate writing style.  Alliance to Save Energy

6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project **Assembly Announcement** Carbon Footprint Journal Staff Presentation

INDICATOR	C.11- 12.1.g.	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation

### STRAND Composition—Grade 11-12

CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.2	Students will compose informative and explanatory texts to examine and convey complex ideas clearly and accurately through the effective selection, organization and analysis of content.
EXPECTATION	C.11- 12.2.	Compose informative/explanatory texts to examine and/or convey complex ideas, concepts and information clearly and accurately through the effective selection, organization and analysis of content.
INDICATOR	C.11- 12.2.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.11- 12.2.b.	Introduce a topic; organize complex ideas, concepts and information so that each new element builds on that which precedes it to create a unified whole; include formatting, graphics and multimedia when useful to aiding comprehension.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation
INDICATOR	C.11- 12.2.c.	Develop the topic thoroughly by selecting the most significant and relevant facts, extended definitions, concrete details, quotations or other information and examples appropriate to the audience's knowledge of the topic.
		Allianas de Cara Franças

### Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Custodial Presentation & Pledge

9-12 Explore Renewables Energy Poster Project

9-12 My Future Green Career

Assembly Announcement

Capstone Project

Carbon Footprint Journal

Staff Presentation

INDICATOR	C.11- 12.2.d.	Use appropriate and varied transitions and syntax to link the major sections of the text, create cohesion and clarify the relationships among complex ideas and concepts.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.e.	Use precise language, domain-specific vocabulary and techniques such as metaphor, simile and analogy to manage the complexity of the topic.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.f.	Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.g.	Provide a concluding statement or section that follows from and supports the information or explanation presented.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal Staff Presentation
INDICATOR	C.11- 12.2.h.	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.  Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation
STRAND		Composition—Grade 11-12
CATEGORY / GOAL		Text Types and Purposes
STANDARD / ORGANIZER	GP.W.3	Students will compose narratives to develop real or imagined experiences or events, using effective technique, well-chosen details and well-structured event sequences.

Use narratives strategically in other modes of writing utilizing effective technique, well-chosen details and well-structured sequences for an intended purpose, including but not limited to introducing an issue and/or supporting a claim.

EXPECTATION C.11-

12.3.

INDICATOR	C.11- 12.3.a.	Produce clear and coherent writing in which the development, organization and style are appropriate to task purpose and audience.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Explore Renewables Energy Poster Project
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Staff Presentation
NDICATOR	C.11-	Develop and strengthen writing as needed by planning, revising, editing, rewriting or trying a new approach,
	12.3.g.	focusing on addressing what is most significant for a specific purpose and audience.
		Alliance to Save Energy

6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal

### STRAND Composition—Grade 11-12

Staff Presentation

CATEGORY / GOAL		Research to Build and Present Knowledge
STANDARD / ORGANIZER	GP.W.5	Students will conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
EXPECTATION	C.11- 12.5.	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Capstone Project

### STRAND Composition—Grade 11-12

CATEGORY / GOAL		Research to Build and Present Knowledge
ST ANDARD / ORGANIZER	GP.W.6	Students will gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source and integrate the information for the purposes of analysis, reflection and research while avoiding plagiarism.
EXPECTATION	C.11- 12.6.	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the task, purpose and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

### Alliance to Save Energy

9-12 Explore Renewables Energy Poster Project 9-12 My Future Green Career Capstone Project

### STRAND Composition—Grade 11-12

CATEGORY / Range of Writing GOAL
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STANDARD / ORGANIZER	GP.W.7	Students will compose routinely over extended and shorter time frames for a variety of tasks, purposes and audiences.
EXPECTATION	C.11- 12.7.	Compose routinely over extended time frames and shorter time frames for a variety of task, purposes and audiences.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Explore Renewables Energy Poster Project Assembly Announcement Capstone Project Carbon Footprint Journal Staff Presentation

### STRAND Language—Grade 11-12

CATEGORY / GOAL		Vocabulary Acquisition and Use
ST ANDARD / ORGANIZER	GP.L.4	Students will use a variety of strategies to determine or clarify the meaning of words and phrases, consulting reference material when appropriate. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking and listening in order to be transition ready.
EXPECTATION	L.11- 12.4.	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 11-12 reading and content, choosing flexibly from an array of strategies.
INDICATOR	L.11- 12.4.a.	Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.
		Alliance to Save Energy 9-12 Custodial Presentation & Pledge Assembly Announcement Family Presentation Staff Presentation
INDICATOR	L.11- 12.4.d.	Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking and listening at the college and career readiness level: demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.
		Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Custodial Presentation & Pledge 9-12 Explore Renewables Energy Poster Project Assembly Announcement Carbon Footprint Journal

### Kentucky Academic Standards Mathematics

Grade: 3 - Adopted: 2019

### STRAND Operations and Algebraic Thinking

Family Presentation Staff Presentation

CATEGORY / Cluster: Represent and solve problems involving multiplication and division.  GOAL
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STANDARD / ORGANIZER

KY.3.OA. Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays and measurement quantities, by using drawings and equations with a symbol for the unknown number to represent the problem. (MP.1, MP.4)

### Alliance to Save Energy

3-5 Energy Audit Video

3-5 Shower Audit Calculations

Appliance Audit

**Energy Patrol Contest** 

HVAC Audit

Home Energy Audit

Lighting Audit

School Audit

### STRAND

### **Operations and Algebraic Thinking**

CATEGORY / GOAL		Cluster: Multiply and divide within 100.
STANDARD / ORGANIZER	KY.3.OA. 7.	Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division or properties of operations. (MP.2, MP.8)
		Alliance to Save Energy 3-5 Energy Audit Video 3-5 Shower Audit Calculations Appliance Audit Energy Patrol Contest HVAC Audit Home Energy Audit Lighting Audit School Audit

### STRAND

### **Operations and Algebraic Thinking**

CATEGORY / GOAL		Cluster: Solve problems involving the four operations and identify and explain patterns in arithmetic.
STANDARD / ORGANIZER	KY.3.OA. 8.	Use various strategies to solve two-step word problems using the four operations (involving only whole numbers with whole number answers). Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding. (MP.1, MP.4)
		Alliance to Save Energy  3-5 Energy Audit Video  3-5 Shower Audit Calculations  Appliance Audit Energy Patrol Contest  HVAC Audit Home Energy Audit Lighting Audit School Audit

### **STRAND**

### Numbers and Operations in Base Ten

CATEGORY / GOAL		Cluster: Use place value understanding and properties of operations to perform multi-digit arithmetic. Note: A range of algorithms may be used.
STANDARD / ORGANIZER	KY.3.NBT	Use place value understanding to round whole numbers to the nearest 10 or 100. (MP.7)
		Alliance to Save Energy

Alliance to Save Energy 3-5 Energy Audit Video

STANDARD / ORGANIZER	KY.3.NBT .2.	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations and/or the relationship between addition and subtraction. (MP.2, MP.3)  Alliance to Save Energy Appliance Audit Energy Patrol Contest HVAC Audit Home Energy Audit Lighting Audit School Audit
STRAND		Numbers and Operations—Fractions
CATEGORY / GOAL		Cluster: Develop understanding of fractions as numbers. Note: grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6 and 8.
STANDARD / ORGANIZER	KY.3.NF. 1.	Understand a fraction 1/b as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size 1/b. (MP.2, MP.7)  Alliance to Save Energy 3-5 Shower Audit Calculations
STRAND		Numbers and Operations—Fractions
CATEGORY / GOAL		Cluster: Develop understanding of fractions as numbers. Note: grade 3 expectations in this domain are limited to fractions with denominators 2, 3, 4, 6 and 8.
STANDARD / ORGANIZER	KY.3.NF. 3.	Explain equivalence of fractions in special cases and compare fractions by reasoning about their size. (MP.2, MP.3)
EXPECTATION	KY.3.NF.3 .c.	Express whole numbers as fractions and recognize fractions that are equivalent to whole numbers.  Alliance to Save Energy  3-5 Shower Audit Calculations
STRAND		Measurement and Data
CATEGORY / GOAL		Cluster: Solve problems involving measurement and estimation of intervals of time, liquid volumes and masses of objects.
STANDARD / ORGANIZER	KY.3.MD. 1.	Tell and write time to the nearest minute and measure elapsed time intervals in minutes. Solve word problems involving addition and subtraction of time intervals within and across the hour in minutes. (MP.4, MP.6, MP.1, MP.4)  Alliance to Save Energy 3-5 Energy Audit Video
		Kentucky Academic Standards  Mathematics  Grade: 4 - Adopted: 2019
STRAND		Operations and Algebraic Thinking
CATEGORY / GOAL		Cluster: Use the four operations with whole numbers to solve problems.

STANDARD / **ORGANIZER** 

KY.4.OA. Multiply or divide to solve word problems involving multiplicative comparisons by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison. (MP.1, MP.2, MP.3)

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3-5 Energy Audit Video

3-5 Shower Audit Calculations

**Appliance Audit** 

**Energy Patrol Contest** 

**HVAC** Audit

Home Energy Audit

Lighting Audit

School Audit

### **STRAND**

### **Operations and Algebraic Thinking**

CATEGORY / GOAL		Cluster: Use the four operations with whole numbers to solve problems.
STANDARD / ORGANIZER	KY.4.OA .3.	Solve multistep problems. (MP.1, MP.4)

### **EXPECTATION**

3.b.

KY.4.OA. Solve multistep word problems posed with whole numbers and having whole number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental

computations and estimation strategies including rounding.

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3-5 Shower Audit Calculations

**Appliance Audit** 

**Energy Patrol Contest** 

**HVAC Audit** 

Home Energy Audit

Lighting Audit

School Audit

### **STRAND**

### Numbers and Operations in Base Ten

CATEGORY / GOAL		Cluster: Generalize place value understanding for multi-digit whole numbers.
ST AND ARD / ORGANIZER	KY.4.NB T.2.	Represent and compare multi-digit whole numbers. (MP.2, MP.7)

### **EXPECTATION**

.2.b.

KY.4.NBT Compare two multi-digit numbers based on meanings of the digit in each place, using >, =, and < symbols to record the results of comparisons.

Alliance to Save Energy

3-5 Shower Audit Calculations

### **STRAND**

### Numbers and Operations in Base Ten

CATEGORY / GOAL		Cluster: Generalize place value understanding for multi-digit whole numbers.
STANDARD / ORGANIZER	KY.4.NBT	Use place value understanding to round multi-digit whole numbers to any place. (MP.2, MP.6)
		Alliance to Save Energy

3-5 Energy Audit Video

### **STRAND**

CATEGORY / GOAL		Cluster: Use place value understanding and properties of operations to perform multi-digit arithmetic.
STANDARD / ORGANIZER	KY.4.NBT .4.	Fluently add and subtract multi-digit whole numbers using an algorithm. (MP.2, MP.8)  Alliance to Save Energy Appliance Audit Energy Patrol Contest HVAC Audit Home Energy Audit Lighting Audit School Audit
STRAND		Numbers and Operations in Base Ten
CATEGORY / GOAL		Cluster: Use place value understanding and properties of operations to perform multi-digit arithmetic.
ST ANDARD / ORGANIZER	KY.4.NB T.5.	Multiply whole numbers:(MP.3, MP.4, MP.8)
EXPECTATION		Up to four digit number by a one-digit number – Multiply using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays and/or area models.  Alliance to Save Energy 3-5 Energy Audit Video 3-5 Shower Audit Calculations
EXPECTATION		Two-digit number by two-digit number – Multiply using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays and/or area models.  Alliance to Save Energy 3-5 Energy Audit Video 3-5 Shower Audit Calculations
STRAND		Numbers and Operations in Base Ten
CATEGORY /		Cluster: Use place value understanding and properties of operations to perform multi-digit

CATEGORY / GOAL		Cluster: Use place value understanding and properties of operations to perform multi-digit arithmetic.
	KY.4.NB T.6.	Divide up to four-digit dividends by one-digit divisors. Find whole number quotients and remainders using: (MP.3, MP.7, MP.8)

### **EXPECTATION**

strategies based on place value – Illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

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3-5 Energy Audit Video Appliance Audit Energy Patrol Contest HVAC Audit Home Energy Audit Lighting Audit School Audit **EXPECTATION** 

the properties of operations – Illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

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**EXPECTATION** 

the relationship between multiplication and division – Illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

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Appliance Audit
Energy Patrol Contest
HVAC Audit
Home Energy Audit
Lighting Audit

School Audit

### STRAND

### Numbers and Operations—Fractions

CATEGORY / GOAL		Cluster: Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
STANDARD / ORGANIZER	KY.4.NF .4.	Apply and extend previous understandings of multiplication to multiply a fraction by a whole number. (MP.5, MP.8)
EXPECTATION	KY.4.NF. 4.a.	Understand a fraction a/b as a multiple of 1/b.  Alliance to Save Energy 3-5 Shower Audit Calculations
EXPECTATION	KY.4.NF. 4.b.	Understand a multiple of a/b as a multiple of 1/b and use this understanding to multiply a fraction by a whole number.  Alliance to Save Energy 3-5 Shower Audit Calculations
EXPECTATION	KY.4.NF. 4.c.	Solve word problems involving multiplication of a fraction by a whole number.

### Alliance to Save Energy

3-5 Shower Audit Calculations

# Kentucky Academic Standards Mathematics Grade: 5 - Adopted: 2019

Numbers and Operations in Base Ten

CATEGORY / GOAL

STRAND

Cluster: Perform operations with multi-digit whole numbers and with decimals to hundred ths.

STANDARD / ORGANIZER	KY.5.NBT .5.	Fluently multiply multi-digit whole numbers (not to exceed four-digit by two-digit multiplication) using an algorithm. (MP.7, MP.8)
		Alliance to Save Energy 3-5 Energy Audit Video
STRAND		Numbers and Operations in Base Ten
CATEGORY / GOAL		Cluster: Perform operations with multi-digit whole numbers and with decimals to hundredths.
STANDARD / ORGANIZER	KY.5.NB T.6.	Divide up to four-digit dividends by two-digit divisors. (MP.2, MP.3, MP.4)
EXPECTATION	KY.5.NB T.6.a.	Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors using
INDICATOR		strategies based on place value
		Alliance to Save Energy 3-5 Energy Audit Video
		Appliance Audit
		Energy Patrol Contest  HVAC Audit
		Home Energy Audit Lighting Audit
		School Audit
STRAND		Numbers and Operations—Fractions
CATEGORY / GOAL		Cluster: Use equivalent fractions as a strategy to add and subtract fractions.
STANDARD / ORGANIZER	KY.5.NF. 2.	Solve word problems involving addition and subtraction of fractions. (MP.1, MP.4)
EXPECTATION	KY.F.NF.2 .a.	Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators.
		Alliance to Save Energy 3-5 Shower Audit Calculations
EXPECTATION	KY.F.NF. 2.b.	Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.
		Alliance to Save Energy 3-5 Shower Audit Calculations
STRAND		Numbers and Operations—Fractions
CATEGORY / GOAL		Cluster: Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
STANDARD / ORGANIZER	KY.5.NF. 3.	Interpret a fraction as division of the numerator by the denominator (a/b=a÷b). Solve words problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers by using visual fraction models or equations to represent the problem. (MP.4, MP.8)
		Alliance to Save Energy 3-5 Shower Audit Calculations
STRAND		Numbers and Operations—Fractions

CATEGORY /		Cluster: Apply and extend previous understandings of multiplication and division to multiply and
GOAL		divide fractions.
STANDARD / ORGANIZER	KY.5.NF. 4.	Apply and extend previous understanding of multiplication to multiply a fraction or whole number by a fraction. (MP.1)
EXPECTATION	KY.5.NF. 4.a.	Interpret the product (a/b)×q as a parts of a partition of q into b equal parts; equivalently, as the result of a sequence of operations a×q÷b.  Alliance to Save Energy
		3-5 Shower Audit Calculations
EXPECTATION	KY.5.NF. 4.b.	Find the area of a rectangle with fractional side lengths by tiling it with squares of the appropriate unit fraction side lengths and show that the area is the same as would be found by multiplying the side lengths. Multiply fractional side lengths to find areas of rectangles and represent fraction products as rectangular areas.
		Alliance to Save Energy 3-5 Shower Audit Calculations
STRAND		Numbers and Operations—Fractions
CATEGORY/ GOAL		Cluster: Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
STANDARD / ORGANIZER	KY.5.NF. 6.	Solve real world problems involving multiplication of fractions and mixed numbers. (MP.4, MP.5)  Alliance to Save Energy 3-5 Shower Audit Calculations
		Kentucky Academic Standards
		Kentucky Academic Standards  Mathematics  Grade: 7 - Adopted: 2019
STRAND		Mathematics
STRAND  CATEGORY / GOAL		Mathematics Grade: 7 - Adopted: 2019
CATEGORY/	KY.7.NS .2.	Mathematics Grade: 7 - Adopted: 2019  The Number System  Cluster: Apply and extend previous understandings of operations with fractions to add, subtract,
CATEGORY / GOAL STANDARD /	.2.	Mathematics Grade: 7 - Adopted: 2019  The Number System  Cluster: Apply and extend previous understandings of operations with fractions to add, subtract, multiply and divide rational numbers.  Apply and extend previous understandings of multiplication and division and of fractions to
CATEGORY / GOAL STANDARD / ORGANIZER	.2. KY.7.NS.2	Mathematics Grade: 7 - Adopted: 2019  The Number System  Cluster: Apply and extend previous understandings of operations with fractions to add, subtract, multiply and divide rational numbers.  Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. (MP.2, MP.7, MP.8)  Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as (-1)(-1)=1 and the rules for multiplying signed numbers. Interpret products of rational numbers by describing
CATEGORY / GOAL STANDARD / ORGANIZER	.2. KY.7.NS.2	Mathematics Grade: 7 - Adopted: 2019  The Number System  Cluster: Apply and extend previous understandings of operations with fractions to add, subtract, multiply and divide rational numbers.  Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. (MP.2, MP.7, MP.8)  Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as (-1)(-1)=1 and the rules for multiplying signed numbers. Interpret products of rational numbers by describing real-world contexts.  Alliance to Save Energy
CATEGORY / GOAL  STANDARD / ORGANIZER  EXPECTATION	KY.7.NS.2 .a.	Mathematics Grade: 7 - Adopted: 2019  The Number System  Cluster: Apply and extend previous understandings of operations with fractions to add, subtract, multiply and divide rational numbers.  Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. (MP.2, MP.7, MP.8)  Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as (-1)(-1)=1 and the rules for multiplying signed numbers. Interpret products of rational numbers by describing real-world contexts.  Alliance to Save Energy 6-12 Shower Audit Calculations
CATEGORY / GOAL  STANDARD / ORGANIZER  EXPECTATION	KY.7.NS.2 .a. KY.7.NS. 2.c.	Mathematics Grade: 7 - Adopted: 2019  The Number System  Cluster: Apply and extend previous understandings of operations with fractions to add, subtract, multiply and divide rational numbers.  Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. (MP.2, MP.7, MP.8)  Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as (-1)(-1)=1 and the rules for multiplying signed numbers. Interpret products of rational numbers by describing real-world contexts.  Alliance to Save Energy  6-12 Shower Audit Calculations  Apply properties of operations as strategies to multiply and divide rational numbers.  Alliance to Save Energy

STANDARD / ORGANIZER	KY.7.NS. 3.	Solve real-world and mathematical problems involving the four operations with rational numbers. (MP.1, MP.2, MP.5)
		Alliance to Save Energy 6-12 Shower Audit Calculations
STRAND		Expressions and Equations
CATEGORY/ GOAL		Cluster: Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
STANDARD / ORGANIZER	KY.7.EE.3	Solve real-life and mathematical problems posed with positive and negative rational numbers in any form, using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies. (MP.1, MP.4, MP.6)  Alliance to Save Energy
		6-12 Shower Audit Calculations
		Kentucky Academic Standards  Mathematics  Grade: 9 - Adopted: 2019
STRAND		Conceptual Category Statistics and Probability
CATEGORY / GOAL		Statistics and Probability—Interpreting Categorical and Quantitative Data
STANDARD / ORGANIZER		Cluster: Summarize, represent and interpret data on two categorical and quantitative variables.
EXPECTATION	KY.HS.S P.5.	Summarize categorical data for two or more categories in frequency tables. Calculate and interpret joint, marginal and conditional relative frequencies (probabilities) in the context of the data, recognizing possible associations and trends in the data. (MP.2, MP.7)
		Alliance to Save Energy 9-12 Energy Audit Video
STRAND		Conceptual Category Statistics and Probability
CATEGORY / GOAL		Statistics and Probability—Conditional Probability and the Rules of Probability
STANDARD / ORGANIZER		Cluster: Understand independence and conditional probability and use them to interpret data.
EXPECTATION	KY.HS.S P.17(+).	Construct and interpret two-way frequency tables of data when two categories are associated with each object being classified. Use the two-way table as a sample space to decide whether events are independent and to approximate conditional probabilities. (MP.2, MP.4)
		Alliance to Save Energy 9-12 Energy Audit Video
		Kentucky Academic Standards
		Mathematics Grade: 10 - Adopted: 2019
STRAND		Conceptual Category Statistics and Probability
CATEGORY/ GOAL		Statistics and Probability—Interpreting Categorical and Quantitative Data
STANDARD / ORGANIZER		Cluster: Summarize, represent and interpret data on two categorical and quantitative variables.

EXPECTATION	KY.HS.S P.5.	Summarize categorical data for two or more categories in frequency tables. Calculate and interpret joint, marginal and conditional relative frequencies (probabilities) in the context of the data, recognizing possible associations and trends in the data. (MP.2, MP.7)
		Alliance to Save Energy 9-12 Energy Audit Video
STRAND		Conceptual Category Statistics and Probability
CATEGORY <i>I</i> GOAL		Statistics and Probability—Conditional Probability and the Rules of Probability
STANDARD / ORGANIZER		Cluster: Understand independence and conditional probability and use them to interpret data.
EXPECTATION	KY.HS.S P.17(+).	Construct and interpret two-way frequency tables of data when two categories are associated with each object being classified. Use the two-way table as a sample space to decide whether events are independent and to approximate conditional probabilities. (MP.2, MP.4)
		Alliance to Save Energy 9-12 Energy Audit Video
		Kentucky Academic Standards
		Mathematics Grade: 11 - Adopted: 2019
STRAND		Conceptual Category Statistics and Probability
CATEGORY / GOAL		Statistics and Probability—Interpreting Categorical and Quantitative Data
STANDARD / ORGANIZER		Cluster: Summarize, represent and interpret data on two categorical and quantitative variables.
EXPECTATION	KY.HS.S P.5.	Summarize categorical data for two or more categories in frequency tables. Calculate and interpret joint, marginal and conditional relative frequencies (probabilities) in the context of the data, recognizing possible associations and trends in the data. (MP.2, MP.7)
		Alliance to Save Energy 9-12 Energy Audit Video
STRAND		Conceptual Category Statistics and Probability
CATEGORY / GOAL		Statistics and Probability—Conditional Probability and the Rules of Probability
STANDARD / ORGANIZER		Cluster: Understand independence and conditional probability and use them to interpret data.
EXPECTATION	KY.HS.S P.17(+).	Construct and interpret two-way frequency tables of data when two categories are associated with each object being classified. Use the two-way table as a sample space to decide whether events are independent and to approximate conditional probabilities. (MP.2, MP.4)
		Alliance to Save Energy 9-12 Energy Audit Video
		Kentucky Academic Standards  Mathematics  Grade: 12 - Adopted: 2019
STRAND		Conceptual Category Statistics and Probability
CATEGORY/ GOAL		Statistics and Probability—Interpreting Categorical and Quantitative Data

STANDARD / ORGANIZER		Cluster: Summarize, represent and interpret data on two categorical and quantitative variables.
EXPECTATION	KY.HS.S P.5.	Summarize categorical data for two or more categories in frequency tables. Calculate and interpret joint, marginal and conditional relative frequencies (probabilities) in the context of the data, recognizing possible associations and trends in the data. (MP.2, MP.7)
		Alliance to Save Energy 9-12 Energy Audit Video
STRAND		Conceptual Category Statistics and Probability
CATEGORY / GOAL		Statistics and Probability—Conditional Probability and the Rules of Probability
STANDARD / ORGANIZER		Cluster: Understand independence and conditional probability and use them to interpret data.
EXPECTATION	KY.HS.S P.17(+).	Construct and interpret two-way frequency tables of data when two categories are associated with each object being classified. Use the two-way table as a sample space to decide whether events are independent and to approximate conditional probabilities. (MP.2, MP.4)
		Alliance to Save Energy 9-12 Energy Audit Video
		Kentucky Academic Standards
		Science Grade: K - Adopted: 2015
STRAND	KY.K.B.	
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	K-ESS2- 2.	Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.
		Alliance to Save Energy What is Sustainability? (Home) What is Sustainability? (School)
STANDARD / ORGANIZER	K-ESS3- 3.	Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.

How Do We Save Energy? (School)

How Is Energy Made? (Home)

How Is Energy Made? (School)

Student Presentation (Home)

Student Presentation (School)

What is Energy? (Home)

What is Energy? (School)

What is Sustainability? (Home) What is Sustainability? (School)

When is Energy Used? (Home)

When is Energy Used? (School)

STRAND KY.K.C. Weather and Climate

CATEGORY /		Students who demonstrate understanding can:
GOAL		Students who demonstrate understanding can.
STANDARD / ORGANIZER	K-PS3-1.	Make observations to determine the effect of sunlight on Earth's surface.  Alliance to Save Energy
		How Is Energy Made? (Home)
		How Is Energy Made? (School) What is Sustainability? (Home)
		What is Sustainability? (School)
STANDARD / ORGANIZER	K-PS3-2.	Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.
		Alliance to Save Energy
		How Is Energy Made? (Home)
		How Is Energy Made? (School)
		Kentucky Academic Standards
		Science Grade: 1 - Adopted: 2015
STRAND	KY.1.A.	Waves: Light and Sound
GOAL		Students who demonstrate understanding can:
STANDARD /	1-PS4-3.	Plan and conduct an investigation to determine the effect of placing objects made with different materials in the
ORGANIZER		path of a beam of light.
		Alliance to Save Energy
		How Is Energy Made? (Home)  How Is Energy Made? (School)
		The was a made . (Concern
		Kentucky Academic Standards
		Science Grade: 2 - Adopted: 2015
STRAND	KY.2.C.	Earth's Systems: Processes that Shape the Earth
CATEGORY / GOAL		Students who demonstrate understanding can:
OOAL		
STANDARD /	2-ESS2-	Obtain information to identify where water is found on Earth and that it can be solid or liquid.
ORGANIZER	3.	Alliance to Save Energy
		How Are Energy & Water Related? (Home)
		How Are Energy & Water Related? (School)
		Kentucky Academic Standards
		Science
		Grade: 3 - Adopted: 2015
STRAND	KY.3.D.	Weather and Climate
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD /	3-ESS2-	Obtain and combine information to describe climates in different regions of the world.
ORGANIZER	2.	Alliance to Save Energy

Alliance to Save Energy 3-5 Climate Video

### Kentucky Academic Standards

### Science

Grade: 4 - Adopted: 2015

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	4-PS3-2.	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.
		Alliance to Save Energy
		3-5 Energy Audit Video
		3-5 Energy Basics Video
		3-5 Explore Renewables Video
		3-5 Understanding Energy Demand Video
STANDARD / ORGANIZER	4-PS3-4.	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
		Alliance to Save Energy
		3-5 Explore Renewables Video
STANDARD / ORGANIZER	4-ESS3- 1.	Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.
		Alliance to Save Energy
		3-5 Climate Video
		3-5 Energy Basics Video
		3-5 Explore Renewables Energy Poster Project
		3-5 Explore Renewables Video
		3-5 Understanding Energy Demand Video
		3-8 Custodial Presentation & Pledge Assembly Announcement
		Carbon Footprint Calculator
		Family Presentation
		Staff Presentation
		Kentucky Academic Standards
		Science

Grade: 5 - Adopted: 2015

#### STRAND KY.5.D. Earth's Systems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	5-ESS2- 1.	Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.

### Alliance to Save Energy

3-5 Climate Video

STANDARD / 5-ESS3- Obtain and combine information about ways individual communities use science ideas to protect the Earth's ORGANIZER 1. resources and environment.

### Alliance to Save Energy

3-5 Carbon Rank Competition

3-5 Climate Video

3-5 Energy Audit Video

3-5 Energy Basics Video

3-5 Environmental Justice Video

3-5 Explore Renewables Video

3-5 Final Presentation & Peer Performance

3-5 Green Your Career Video

3-5 My Future Green Career

3-5 Understanding Energy Demand Video

3-8 Custodial Presentation & Pledge

3-8 Water Audit

Amelia Airflow 3-5

**Appliance Audit** 

**Assembly Announcement** 

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

Green Career Guest Speaker

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

Water Saving Awareness

## Kentucky Academic Standards Science

Grade: 6 - Adopted: 2015

### STRAND KY.MS.D. Forces and Interactions

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	07-PS2- 3.	Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.
		Alliance to Save Energy 6-8 Energy Audit Video 6-8 Energy Basics Video

### STRAND KY.MS.G. Matter and Energy in Organisms and Ecosystems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08-LS2- 4.	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.

### Alliance to Save Energy

6-8 Climate Video

### STRAND KY.MS.H. Interdependent Relationships in Ecosystems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08-LS2- 5.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services.
		Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		6-12 Final Presentation & Peer Performance
		6-8 Carbon Rank Competition
		6-8 Climate Video
		6-8 Energy Basics Video
		6-8 Environmental Justice Video
		6-8 Green Your Career Video
		6-8 My Future Green Career
		Assembly Announcement
		Carbon Footprint Journal
		Family Presentation
		Home Energy Demand Pledge
		My Future Green Career Presentation
		Net Zero School Design
		Shutdown Reminders
		Staff Presentation

### STRAND KY.MS.M. Earth's Systems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08- ESS3-1.	Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge 6-8 Climate Video 6-8 Energy Basics Video 6-8 Explore Renewables Energy Poster Project 6-8 Explore Renewables Video Assembly Announcement Carbon Footprint Calculator Family Presentation Staff Presentation

### STRAND KY.MS.N. Weather and Climate

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08- ESS3-5.	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.
		Alliance to Save Energy 6-8 Climate Video 6-8 Energy Basics Video Carbon Footprint Calculator

### STRAND KY.MS.O. Human Impacts

CATEGORY / GOAL	Students who demonstrate understanding can:
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STANDARD / ORGANIZER 08-ESS3-3.  $Apply \ scientific \ principles \ to \ design \ a \ method \ for \ monitoring \ and \ minimizing \ a \ human \ impact \ on \ the$ 

environment.

### Alliance to Save Energy

3-8 Custodial Presentation & Pledge

3-8 Water Audit

6-12 Final Presentation & Peer Performance

6-8 Carbon Rank Competition

6-8 Climate Video

6-8 Energy Audit Video

6-8 Energy Basics Video

6-8 Environmental Justice Video

6-8 Explore Renewables Video

6-8 Green Your Career Video

6-8 My Future Green Career

6-8 Understanding Energy Demand Video

Amelia Airflow 6-8

**Appliance Audit** 

**Assembly Announcement** 

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BTU 6-8

My Future Green Career Presentation

Net Zero School Design

Poster Campaign

School Audit

**Shutdown Reminders** 

Staff Presentation

Water Awareness Posters

Water Saving Awareness

STANDARD / ORGANIZER

08-ESS3-4. Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

### Alliance to Save Energy

3-8 Custodial Presentation & Pledge

6-8 Climate Video

6-8 Energy Basics Video

6-8 Environmental Justice Video

6-8 Explore Renewables Energy Poster Project

6-8 Explore Renewables Video

**Assembly Announcement** 

Family Presentation

Staff Presentation

Kentucky Academic Standards

Science

Grade: 7 - Adopted: 2015

**STRAND** 

**KY.MS.D. Forces and Interactions** 

CATEGORY / GOAL

Students who demonstrate understanding can:

STANDARD / 07-PS2- Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.

3.

Alliance to Save Energy
6-8 Energy Audit Video
6-8 Energy Basics Video

### STRAND KY.MS.G. Matter and Energy in Organisms and Ecosystems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08-LS2- 4.	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.
		Alliance to Save Energy 6-8 Climate Video

### KY.MS.H. Interdependent Relationships in Ecosystems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08-LS2- 5.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services.  Alliance to Save Energy
		3-8 Custodial Presentation & Pledge
		6-12 Final Presentation & Peer Performance
		6-8 Carbon Rank Competition
		6-8 Climate Video
		6-8 Energy Basics Video
		6-8 Environmental Justice Video
		6-8 Green Your Career Video
		6-8 My Future Green Career
		Assembly Announcement
		Carbon Footprint Journal
		Family Presentation
		Home Energy Demand Pledge
		My Future Green Career Presentation
		Net Zero School Design
		Shutdown Reminders
		Staff Presentation

### STRAND KY.MS.M. Earth's Systems

STRAND

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08- ESS3-1.	Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge 6-8 Climate Video 6-8 Energy Basics Video 6-8 Explore Renewables Energy Poster Project 6-8 Explore Renewables Video Assembly Announcement Carbon Footprint Calculator Family Presentation Staff Presentation

### STRAND KY.MS.N. Weather and Climate

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08- ESS3-5.	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.
		Alliance to Save Energy 6-8 Climate Video 6-8 Energy Basics Video Carbon Footprint Calculator

STRAND	KY.MS.O. Human Impacts	
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08- ESS3-3.	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.
		Alliance to Save Energy  3-8 Custodial Presentation & Pledge  3-8 Water Audit  6-12 Final Presentation & Peer Performance  6-8 Carbon Rank Competition  6-8 Climate Video  6-8 Energy Audit Video  6-8 Energy Basics Video  6-8 Energy Basics Video  6-8 Explore Renewables Video  6-8 Green Your Career Video  6-8 My Future Green Career

6-8 Understanding Energy Demand Video Amelia Airflow 6-8

**Appliance Audit Assembly Announcement** 

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BTU 6-8

My Future Green Career Presentation

Net Zero School Design

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

Water Saving Awareness

STANDARD / 08-Construct an argument supported by evidence for how increases in human population and per-capita ORGANIZER ESS3-4. consumption of natural resources impact Earth's systems. Alliance to Save Energy 3-8 Custodial Presentation & Pledge 6-8 Climate Video 6-8 Energy Basics Video 6-8 Environmental Justice Video 6-8 Explore Renewables Energy Poster Project 6-8 Explore Renewables Video **Assembly Announcement** Family Presentation Staff Presentation

# Kentucky Academic Standards Science

Grade: 8 - Adopted: 2015

# STRAND KY.MS.D. Forces and Interactions

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	07-PS2- 3.	Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.
		Alliance to Save Energy 6-8 Energy Audit Video 6-8 Energy Basics Video

# STRAND KY.MS.G. Matter and Energy in Organisms and Ecosystems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08-LS2- 4.	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.
		Alliance to Save Energy 6-8 Climate Video

# STRAND KY.MS.H. Interdependent Relationships in Ecosystems

CATEGORY / GOAL	Students who demonstrate understanding can:	
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STANDARD / 08-LS2- Evaluate competing design solutions for maintaining biodiversity and ecosystem services. ORGANIZER 5. Alliance to Save Energy 3-8 Custodial Presentation & Pledge 6-12 Final Presentation & Peer Performance 6-8 Carbon Rank Competition 6-8 Climate Video 6-8 Energy Basics Video 6-8 Environmental Justice Video 6-8 Green Your Career Video 6-8 My Future Green Career **Assembly Announcement** Carbon Footprint Journal Family Presentation Home Energy Demand Pledge My Future Green Career Presentation Net Zero School Design **Shutdown Reminders** 

Staff Presentation

# STRAND KY.MS.M. Earth's Systems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08- ESS3-1.	Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes.
		Alliance to Save Energy 3-8 Custodial Presentation & Pledge 6-8 Climate Video 6-8 Energy Basics Video 6-8 Explore Renewables Energy Poster Project 6-8 Explore Renewables Video Assembly Announcement Carbon Footprint Calculator Family Presentation Staff Presentation

# STRAND KY.MS.N. Weather and Climate

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08- ESS3-5.	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.
		Alliance to Save Energy 6-8 Climate Video 6-8 Energy Basics Video Carbon Footprint Calculator

# STRAND KY.MS.O. Human Impacts

CATEGORY / GOAL	Students who demonstrate understanding can:
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08-ESS3-3.  $\label{polyscientific} \text{Apply scientific principles to design a method for monitoring and minimizing a human impact on the}$ 

environment.

# Alliance to Save Energy

3-8 Custodial Presentation & Pledge

3-8 Water Audit

6-12 Final Presentation & Peer Performance

6-8 Carbon Rank Competition

6-8 Climate Video

6-8 Energy Audit Video

6-8 Energy Basics Video

6-8 Environmental Justice Video

6-8 Explore Renewables Video

6-8 Green Your Career Video

6-8 My Future Green Career

6-8 Understanding Energy Demand Video

Amelia Airflow 6-8

**Appliance Audit** 

**Assembly Announcement** 

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BTU 6-8

My Future Green Career Presentation

Net Zero School Design

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

Water Saving Awareness

STANDARD / ORGANIZER 08-ESS3-4. Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

# Alliance to Save Energy

3-8 Custodial Presentation & Pledge

6-8 Climate Video

6-8 Energy Basics Video

6-8 Environmental Justice Video

6-8 Explore Renewables Energy Poster Project

6-8 Explore Renewables Video

**Assembly Announcement** 

**Family Presentation** 

Staff Presentation

Kentucky Academic Standards
Science

Grade: 9 - Adopted: 2015

STRAND KY.HS.D. Energy

CATEGORY / GOAL

Students who demonstrate understanding can:

STANDARD / ORGANIZER	HS-PS3- 1.	Create a computational model to calculate the change in the energy of one component in a system when the change in energy of the other component(s) and energy flows in and out of the system are known.  Alliance to Save Energy
		9-12 Energy Audit Video
		9-12 Energy Basics Video
		9-12 Explore Renewables Video
STANDARD /	HS-PS3-	3,
ORGANIZER	2.	combination of energy associated with the motions of particles (objects) and energy associated with the relative position of particles (objects).
		Alliance to Save Energy
		9-12 Energy Audit Video
		9-12 Energy Basics Video
		9-12 Explore Renewables Video
STANDARD / ORGANIZER	HS-PS3- 3.	Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.
		Alliance to Save Energy
		9-12 Explore Renewables Video
STANDARD /	HS-PS3-	· · · · · · · · · · · · · · · · · · ·
ORGANIZER	4.	components of different temperature are combined within a closed system results in a more uniform energy distribution among the components in the system (second law of thermodynamics).
		Alliance to Save Energy
		Mr. BTU 9-12
		Professor Frio

# STRAND KY.HS.H. Interdependent Relationships in Ecosystems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS-LS2- 2.	Use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales.
		Alliance to Save Energy 9-12 Climate Video 9-12 Environmental Justice Video 9-12 Green Your Career Video

STANDARD / HS-LS2- Design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and ORGANIZER biodiversity. 7. Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Green Your Career Video

9-12 My Future Green Career

9-12 Understanding Energy Demand Video

**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

**Family Presentation** 

Green Future Design

Home Energy Demand Pledge

My Future Green Career Presentation

Shutdown Reminders Staff Presentation

STANDARD / ORGANIZER

6.

HS-LS4- Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Green Your Career Video

9-12 My Future Green Career **Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Family Presentation

Green Future Design

Home Energy Demand Pledge

My Future Green Career Presentation

**Shutdown Reminders** 

Staff Presentation

### **STRAND** KY.HS.L. History of Earth

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS1-6.	Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth's formation and early history.
		Alliance to Save Energy 9-12 Climate Video

### **STRAND** KY.HS.M. Earth's Systems

CATEGORY / GOAL	Students who demonstrate understanding can:	
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STANDARD / ORGANIZER	HS- ESS2-2.	Analyze geoscience data to make the claim that one change to Earth's surface can create feedbacks that cause changes to other Earth systems.
		Alliance to Save Energy 9-12 Climate Video
STANDARD / ORGANIZER	HS- ESS2-5.	Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes.
		Alliance to Save Energy 9-12 Climate Video
STRAND	KY.HS.N.	Weather and Climate
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS2-4.	Use a model to describe how variations in the flow of energy into and out of Earth systems result in changes in climate.
		Alliance to Save Energy
		9-12 Climate Video
		9-12 Energy Basics Video Carbon Footprint Calculator
STANDARD / ORGANIZER	HS- ESS3-5.	Analyze geoscience data and the results from global climate models to make an evidence-based forecast of the current rate of global or regional climate change and associated future impacts to Earth systems.
		Alliance to Save Energy
		9-12 Climate Video
		9-12 Energy Basics Video Carbon Footprint Calculator
STRAND	KY.HS.O.	Human Impacts

Students who demonstrate understanding can:

CATEGORY / GOAL

HS-ESS3-1. Construct an explanation based on evidence for how the availability of natural resources, occurrence of natural hazards, and changes in climate have influenced human activity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Energy Poster Project

9-12 Explore Renewables Video

9-12 Green Your Career Video

9-12 My Future Green Career

9-12 Understanding Energy Demand Video

9-12 Water Audit

Amelia Airflow 9-12

**Appliance Audit** 

**Assembly Announcement** 

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

Green Future Design

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

HS-ESS3-2. Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Energy Poster Project

9-12 Explore Renewables Video

9-12 Green Your Career Video

9-12 My Future Green Career

9-12 Understanding Energy Demand Video

9-12 Water Audit

Amelia Airflow 9-12

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Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

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Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

HS-ESS3-3. Create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Video

9-12 Green Your Career Video

9-12 My Future Green Career

9-12 Understanding Energy Demand Video

9-12 Water Audit

Amelia Airflow 9-12

Appliance Audit

**Assembly Announcement** 

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

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**HVAC** Audit

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Home Energy Demand Pledge

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Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

HS-ESS3-4. Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.

## Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Video

9-12 Green Your Career Video

9-12 My Future Green Career

9-12 Understanding Energy Demand Video

9-12 Water Audit

Amelia Airflow 9-12

**Appliance Audit** 

**Assembly Announcement** 

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

**Family Presentation** 

Green Future Design

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

**Shutdown Reminders** 

Staff Presentation

Water Awareness Posters

Water Saving Awareness

STANDARD /
ORGANIZER

HS-ESS3-6. Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Video

9-12 Green Your Career Video9-12 My Future Green Career

9-12 Understanding Energy Demand Video

**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Family Presentation

Green Future Design

Home Energy Demand Pledge

My Future Green Career Presentation

Shutdown Reminders

Staff Presentation

# CATEGORY / Students who demonstrate understanding can: **GOAL** STANDARD / HS-Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants. ORGANIZER ETS1-1. Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Carbon Rank Competition 9-12 Climate Video 9-12 Custodial Presentation & Pledge 9-12 Energy Audit Video 9-12 Energy Basics Video 9-12 Environmental Justice Video 9-12 Explore Renewables Energy Poster Project 9-12 Explore Renewables Video 9-12 Green Your Career Video 9-12 My Future Green Career 9-12 Understanding Energy Demand Video 9-12 Water Audit Amelia Airflow 9-12 **Appliance Audit Assembly Announcement** Capstone Project

Carbon Footprint Calculator Carbon Footprint Journal Energy Patrol Contest Family Presentation Green Future Design HVAC Audit Home Energy Audit

Home Energy Demand Pledge

My Future Green Career Presentation

Lighting Audit Mr. BAS Mr. BTU 9-12

Poster Campaign School Audit Shutdown Reminders Staff Presentation Water Awareness Posters Water Saving Awareness STANDARD / H
ORGANIZER ET

HS-ETS1-3. Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Video

9-12 Green Your Career Video

9-12 My Future Green Career

9-12 Understanding Energy Demand Video

Amelia Airflow 9-12

**Appliance Audit** 

**Assembly Announcement** 

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

Green Future Design

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

STANDARD /
ORGANIZER

HS-ETS1-4. Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.

# Alliance to Save Energy

9-12 Climate Video

# Kentucky Academic Standards Science

Grade: 10 - Adopted: 2015

# STRAND KY.HS.D. Energy

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS-PS3- 1.	Create a computational model to calculate the change in the energy of one component in a system when the change in energy of the other component(s) and energy flows in and out of the system are known.
		Alliance to Save Energy 9-12 Energy Audit Video 9-12 Energy Basics Video 9-12 Explore Renewables Video

STANDARD / ORGANIZER	HS-PS3- 2.	Develop and use models to illustrate that energy at the macroscopic scale can be accounted for as a combination of energy associated with the motions of particles (objects) and energy associated with the relative position of particles (objects).
		Alliance to Save Energy 9-12 Energy Audit Video 9-12 Energy Basics Video 9-12 Explore Renewables Video
STANDARD / ORGANIZER	HS-PS3- 3.	Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.  Alliance to Save Energy 9-12 Explore Renewables Video
STANDARD / ORGANIZER	HS-PS3- 4.	Plan and conduct an investigation to provide evidence that the transfer of thermal energy when two components of different temperature are combined within a closed system results in a more uniform energy distribution among the components in the system (second law of thermodynamics).
		Alliance to Save Energy Mr. BTU 9-12 Professor Frio

# STRAND KY.HS.H. Interdependent Relationships in Ecosystems

Staff Presentation

evidence about factors
es on the environment and

STANDARD / HS-LS4- Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity. ORGANIZER 6. Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Carbon Rank Competition 9-12 Climate Video 9-12 Custodial Presentation & Pledge 9-12 Energy Basics Video 9-12 Environmental Justice Video 9-12 Green Your Career Video 9-12 My Future Green Career **Assembly Announcement** Capstone Project Carbon Footprint Journal Family Presentation Green Future Design Home Energy Demand Pledge My Future Green Career Presentation Shutdown Reminders Staff Presentation

# STRAND KY.HS.L. History of Earth

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS1-6.	Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth's formation and early history.
		Alliance to Save Energy 9-12 Climate Video

# STRAND KY.HS.M. Earth's Systems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS2-2.	Analyze geoscience data to make the claim that one change to Earth's surface can create feedbacks that cause changes to other Earth systems.  Alliance to Save Energy 9-12 Climate Video
STANDARD / ORGANIZER	HS- ESS2-5.	Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes.  Alliance to Save Energy

# Amance to Save Energy

9-12 Climate Video

# STRAND KY.HS.N. Weather and Climate

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS2-4.	Use a model to describe how variations in the flow of energy into and out of Earth systems result in changes in climate.

# Alliance to Save Energy

9-12 Climate Video 9-12 Energy Basics Video Carbon Footprint Calculator STANDARD / HS- Analyze geoscience data and the results from global climate models to make an evidence-based forecast of ORGANIZER ESS3-5. the current rate of global or regional climate change and associated future impacts to Earth systems.

# Alliance to Save Energy

9-12 Climate Video

9-12 Energy Basics Video Carbon Footprint Calculator

# STRAND KY.HS.O. Human Impacts

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS3-1.	Construct an explanation based on evidence for how the availability of natural resources, occurrence of natural hazards, and changes in climate have influenced human activity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

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9-12 Explore Renewables Video

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9-12 Understanding Energy Demand Video

9-12 Water Audit

Amelia Airflow 9-12

Appliance Audit

Assembly Announcement

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

Green Future Design

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

HS-ESS3-2. Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

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HS-ESS3-4. Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.

# Alliance to Save Energy

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Staff Presentation

Water Awareness Posters

Water Saving Awareness

STANDARD /
ORGANIZER

HS-ESS3-6. Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.

# Alliance to Save Energy

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**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Family Presentation

Green Future Design

Home Energy Demand Pledge

My Future Green Career Presentation

Shutdown Reminders

Staff Presentation

# CATEGORY / Students who demonstrate understanding can: GOAL

STANDARD / ORGANIZER HS-

ETS1-1.

Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.

# Alliance to Save Energy

- 6-12 Final Presentation & Peer Performance
- 9-12 Carbon Rank Competition
- 9-12 Climate Video
- 9-12 Custodial Presentation & Pledge
- 9-12 Energy Audit Video
- 9-12 Energy Basics Video
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Staff Presentation

Water Awareness Posters

STANDARD / HS ORGANIZER ETS

HS-ETS1-3. Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

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STANDARD /
ORGANIZER

HS-ETS1-4. Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.

# Alliance to Save Energy

9-12 Climate Video

# Kentucky Academic Standards Science

Grade: 11 - Adopted: 2015

# STRAND KY.HS.D. Energy

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS-PS3- 1.	Create a computational model to calculate the change in the energy of one component in a system when the change in energy of the other component(s) and energy flows in and out of the system are known.
		Alliance to Save Energy 9-12 Energy Audit Video 9-12 Energy Basics Video 9-12 Explore Renewables Video

STANDARD / ORGANIZER	HS-PS3- 2.	Develop and use models to illustrate that energy at the macroscopic scale can be accounted for as a combination of energy associated with the motions of particles (objects) and energy associated with the relative position of particles (objects).
		Alliance to Save Energy 9-12 Energy Audit Video 9-12 Energy Basics Video 9-12 Explore Renewables Video
STANDARD / ORGANIZER	HS-PS3- 3.	Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.  Alliance to Save Energy
		9-12 Explore Renewables Video
STANDARD / ORGANIZER	HS-PS3- 4.	Plan and conduct an investigation to provide evidence that the transfer of thermal energy when two components of different temperature are combined within a closed system results in a more uniform energy distribution among the components in the system (second law of thermodynamics).
		Alliance to Save Energy Mr. BTU 9-12 Professor Frio

# STRAND KY.HS.H. Interdependent Relationships in Ecosystems

Staff Presentation

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS-LS2- 2.	Use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales.
		Alliance to Save Energy
		9-12 Climate Video
		9-12 Environmental Justice Video
		9-12 Green Your Career Video
STANDARD / ORGANIZER	HS-LS2- 7.	Design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity.
		Alliance to Save Energy
		6-12 Final Presentation & Peer Performance
		9-12 Carbon Rank Competition
		9-12 Climate Video
		9-12 Custodial Presentation & Pledge
		9-12 Energy Basics Video
		9-12 Environmental Justice Video
		9-12 Green Your Career Video
		9-12 My Future Green Career
		9-12 Understanding Energy Demand Video
		Assembly Announcement
		Capstone Project
		Carbon Footprint Journal
		Family Presentation
		Green Future Design
		Home Energy Demand Pledge
		My Future Green Career Presentation
		Shutdown Reminders

STANDARD / HS-LS4- Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity. ORGANIZER 6. Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Carbon Rank Competition 9-12 Climate Video 9-12 Custodial Presentation & Pledge 9-12 Energy Basics Video 9-12 Environmental Justice Video 9-12 Green Your Career Video 9-12 My Future Green Career **Assembly Announcement** Capstone Project Carbon Footprint Journal Family Presentation Green Future Design Home Energy Demand Pledge My Future Green Career Presentation Shutdown Reminders Staff Presentation

### STRAND KY.HS.L. History of Earth

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS1-6.	Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth's formation and early history.
		Alliance to Save Energy 9-12 Climate Video

### **STRAND** KY.HS.M. Earth's Systems

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS2-2.	Analyze geoscience data to make the claim that one change to Earth's surface can create feedbacks that cause changes to other Earth systems.  Alliance to Save Energy 9-12 Climate Video
STANDARD / ORGANIZER	HS- ESS2-5.	Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes.  Alliance to Save Energy

9-12 Climate Video

### STRAND KY.HS.N. Weather and Climate

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS2-4.	Use a model to describe how variations in the flow of energy into and out of Earth systems result in changes in climate.

# Alliance to Save Energy

9-12 Climate Video 9-12 Energy Basics Video Carbon Footprint Calculator STANDARD / HS- Analyze geoscience data and the results from global climate models to make an evidence-based forecast of ORGANIZER ESS3-5. the current rate of global or regional climate change and associated future impacts to Earth systems.

# Alliance to Save Energy

9-12 Climate Video

9-12 Energy Basics Video Carbon Footprint Calculator

# STRAND KY.HS.O. Human Impacts

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS- ESS3-1.	Construct an explanation based on evidence for how the availability of natural resources, occurrence of natural hazards, and changes in climate have influenced human activity.

# Alliance to Save Energy

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9-12 Water Audit

Amelia Airflow 9-12

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Capstone Project

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Lighting Audit

Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

HS-ESS3-2. Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios.

# Alliance to Save Energy

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HS-ESS3-3. Create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity.

# Alliance to Save Energy

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Water Awareness Posters

HS-ESS3-4. Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

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Staff Presentation

Water Awareness Posters

Water Saving Awareness

STANDARD /
ORGANIZER

HS-ESS3-6. Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

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9-12 Understanding Energy Demand Video

**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Family Presentation

Green Future Design

Home Energy Demand Pledge

My Future Green Career Presentation

Shutdown Reminders

Staff Presentation

# CATEGORY / GOAL Students who demonstrate understanding can: STANDARD / HS- Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions

STANDARD / HS-ORGANIZER ETS1-1. Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.

# Alliance to Save Energy

- 6-12 Final Presentation & Peer Performance
- 9-12 Carbon Rank Competition
- 9-12 Climate Video
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Appliance Audit

**Assembly Announcement** 

Capstone Project

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HS-ETS1-3. Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.

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Carbon Footprint Journal

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STANDARD /
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HS-ETS1-4. Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.

# Alliance to Save Energy

9-12 Climate Video

# Kentucky Academic Standards Science

Grade: 12 - Adopted: 2015

# STRAND KY.HS.D. Energy

CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	HS-PS3- 1.	Create a computational model to calculate the change in the energy of one component in a system when the change in energy of the other component(s) and energy flows in and out of the system are known.
		Alliance to Save Energy 9-12 Energy Audit Video 9-12 Energy Basics Video 9-12 Explore Renewables Video

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	9-12 Energy Basics Video 9-12 Explore Renewables Video
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	Alliance to Save Energy Mr. BTU 9-12 Professor Frio
4.	

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		9-12 Climate Video
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STANDARD / HS-LS4- Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity. ORGANIZER 6. Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Carbon Rank Competition 9-12 Climate Video 9-12 Custodial Presentation & Pledge 9-12 Energy Basics Video 9-12 Environmental Justice Video 9-12 Green Your Career Video 9-12 My Future Green Career **Assembly Announcement** Capstone Project Carbon Footprint Journal Family Presentation Green Future Design Home Energy Demand Pledge My Future Green Career Presentation Shutdown Reminders Staff Presentation

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CATEGORY / GOAL		Students who demonstrate understanding can:
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STANDARD / ORGANIZER	HS- ESS2-5.	Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes.  Alliance to Save Energy

9-12 Climate Video

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# Alliance to Save Energy

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HS-ESS3-2. Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios.

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Amelia Airflow 9-12

**Appliance Audit** 

**Assembly Announcement** 

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

Green Future Design

**HVAC** Audit

Home Energy Audit

Home Energy Demand Pledge

Lighting Audit

Mr. BAS

Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign

School Audit

Shutdown Reminders

Staff Presentation

Water Awareness Posters

HS-ESS3-3. Create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Video

9-12 Green Your Career Video

9-12 My Future Green Career

9-12 Understanding Energy Demand Video

9-12 Water Audit

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HS-ESS3-4. Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.

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9-12 Carbon Rank Competition

9-12 Climate Video

9-12 Custodial Presentation & Pledge

9-12 Energy Audit Video

9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Video

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**Assembly Announcement** 

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

Green Future Design

**HVAC** Audit

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Water Awareness Posters

Water Saving Awareness

STANDARD /
ORGANIZER

HS-ESS3-6. Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.

# Alliance to Save Energy

6-12 Final Presentation & Peer Performance

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9-12 Energy Basics Video

9-12 Environmental Justice Video

9-12 Explore Renewables Video

9-12 Green Your Career Video9-12 My Future Green Career

9-12 Understanding Energy Demand Video

**Assembly Announcement** 

Capstone Project

Carbon Footprint Journal

Family Presentation

Green Future Design

Home Energy Demand Pledge

My Future Green Career Presentation

Shutdown Reminders

Staff Presentation

# CATEGORY / Students who demonstrate understanding can: GOAL

STANDARD / ORGANIZER HS-

ETS1-1.

Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.

# Alliance to Save Energy

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- 9-12 Climate Video
- 9-12 Custodial Presentation & Pledge
- 9-12 Energy Audit Video
- 9-12 Energy Basics Video
- 9-12 Environmental Justice Video
- 9-12 Explore Renewables Energy Poster Project
- 9-12 Explore Renewables Video
- 9-12 Green Your Career Video
- 9-12 My Future Green Career
- 9-12 Understanding Energy Demand Video
- 9-12 Water Audit

Amelia Airflow 9-12

**Appliance Audit** 

**Assembly Announcement** 

Capstone Project

Carbon Footprint Calculator

Carbon Footprint Journal

**Energy Patrol Contest** 

Family Presentation

Green Future Design

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Poster Campaign

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STANDARD / HS-Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for ORGANIZER ETS1-3. a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts. Alliance to Save Energy 6-12 Final Presentation & Peer Performance 9-12 Carbon Rank Competition 9-12 Climate Video 9-12 Custodial Presentation & Pledge 9-12 Energy Audit Video 9-12 Energy Basics Video 9-12 Environmental Justice Video 9-12 Explore Renewables Video 9-12 Green Your Career Video 9-12 My Future Green Career 9-12 Understanding Energy Demand Video Amelia Airflow 9-12 **Appliance Audit Assembly Announcement** Capstone Project Carbon Footprint Calculator Carbon Footprint Journal **Energy Patrol Contest** Family Presentation Green Future Design **HVAC Audit** Home Energy Audit Home Energy Demand Pledge Lighting Audit Mr. BAS Mr. BTU 9-12

My Future Green Career Presentation

Poster Campaign School Audit **Shutdown Reminders** Staff Presentation

STANDARD / HS-ORGANIZER ETS1-4. Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.

# Alliance to Save Energy

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# Kentucky Academic Standards Social Studies

Grade: 3 - Adopted: 2019

### **STRAND Grade 3: Global Interactions Standards**

CATEGORY / GOAL	C:	Civic Virtues and Democratic Principles
STANDARD / ORGANIZER	3.C.CV.1.	Compare civic virtues and democratic principles within a variety of diverse world communities.
		Alliance to Save Energy 3-5 Environmental Justice Video

### **STRAND Grade 3: Global Interactions Standards**

CATEGORY / GOAL	G:	Human Environment Interaction
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STANDARD / ORGANIZER	3.G.HE.1.	Explain how the culture of places and regions influence how people modify and adapt to their environments.  Alliance to Save Energy 3-5 Environmental Justice Video
STRAND		Grade 3: Global Interactions Standards
CATEGORY / GOAL	H:	Change and Continuity
STANDARD / ORGANIZER	3.H.CH.1.	Create and use chronological reasoning to learn about significant figures, traditions and events of diverse world communities.  Alliance to Save Energy 3-5 Environmental Justice Video
STRAND		Grade 3: Global Interactions Standards
CATEGORY / GOAL	l:	Communicating Conclusions
STANDARD / ORGANIZER	3.I.CC.1.	Construct an explanation, using relevant information, to address a local, regional or global problem.  Alliance to Save Energy 3-5 Environmental Justice Video
STANDARD / ORGANIZER	3.I.CC.2.	Construct an argument with reasons and supporting evidence to address a local, regional or global problem.  Alliance to Save Energy 3-5 Environmental Justice Video
STANDARD / ORGANIZER	3.I.CC.3.	Identify strategies to address local, regional or global problems.  Alliance to Save Energy 3-5 Environmental Justice Video
STANDARD / ORGANIZER	3.I.CC.4.	Use listening, consensus-building and voting procedures to determine the best strategies to take to address local, regional and global problems.  Alliance to Save Energy 3-5 Environmental Justice Video  Kentucky Academic Standards
		Social Studies
STRAND		Grade: 4 - Adopted: 2019  Grade 4: Migration and Settlement Standards
CATEGORY / GOAL	C:	Civic Virtues and Democratic Principles
STANDARD / ORGANIZER	4.C.CV.1.	Assess the ability of various forms of government to foster civic virtues and uphold democratic principles.  Alliance to Save Energy

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3-5 Environmental Justice Video

Kentucky Academic Standards
Social Studies
Grade: 5 - Adopted: 2019

STRAND	Grade 5: Colonization to Constitution Standar	rdo

CATEGORY / GOAL	C:	Roles and Responsibilities of a Citizen
STANDARD / ORGANIZER	5.C.RR.1.	Analyze responsibilities of U.S. citizens by explaining and demonstrating ways to show good citizenship.
		Alliance to Save Energy  3-5 Environmental Justice Video

# Kentucky Academic Standards Social Studies Grade: 9 - Adopted: 2019

STRAND High School: Civics Standards

CATEGORY / GOAL	C:	Civic Virtues and Democratic Principles
STANDARD / ORGANIZER	HS.C.CV. 2.	Assess how the expansion of civic virtues, democratic principles, constitutional rights and human rights influence the thoughts and actions of individuals and groups.
		Alliance to Save Energy 9-12 Environmental Justice Video
STANDARD / ORGANIZER	HS.C.CV.	Analyze the impact of the efforts of individuals and reform movements on the expansion of civil rights and liberties locally, nationally and internationally.
		Alliance to Save Energy 9-12 Environmental Justice Video

High School: World History Standards

STRAND

CATEGORY / GOAL	H:	Conflict and Compromise
STANDARD / ORGANIZER	HS.WH.C O.6.	Analyze methods used by state and non-state actors seeking to alter the global order which emerged during the post-World War period, including protests, social media campaigns, non-violent actions, boycotts, terrorism, guerilla warfare and other methods from 1945—present.

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Kentucky Academic Standards
Social Studies
Grade: 10 - Adopted: 2019

STRAND High School: Civics Standards

CATEGORY/ GOAL	C:	Civic Virtues and Democratic Principles
STANDARD / ORGANIZER	HS.C.CV. 2.	Assess how the expansion of civic virtues, democratic principles, constitutional rights and human rights influence the thoughts and actions of individuals and groups.

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STANDARD / ORGANIZER	HS.C.CV. 3.	Analyze the impact of the efforts of individuals and reform movements on the expansion of civil rights and liberties locally, nationally and internationally.  Alliance to Save Energy 9-12 Environmental Justice Video
STRAND		High School: World History Standards
CATEGORY / GOAL	Н:	Conflict and Compromise
STANDARD / ORGANIZER	HS.WH.C O.6.	Analyze methods used by state and non-state actors seeking to alter the global order which emerged during the post-World War period, including protests, social media campaigns, non-violent actions, boycotts, terrorism, guerilla warfare and other methods from 1945—present.  Alliance to Save Energy
		9-12 Environmental Justice Video
		Kentucky Academic Standards Social Studies Grade: 11 - Adopted: 2019
STRAND		High School: Civics Standards
CATEGORY / GOAL	C:	Civic Virtues and Democratic Principles
STANDARD / ORGANIZER	HS.C.CV. 2.	Assess how the expansion of civic virtues, democratic principles, constitutional rights and human rights influence the thoughts and actions of individuals and groups.
		Alliance to Save Energy 9-12 Environmental Justice Video
STANDARD / ORGANIZER	HS.C.CV.	Analyze the impact of the efforts of individuals and reform movements on the expansion of civil rights and liberties locally, nationally and internationally.
		Alliance to Save Energy 9-12 Environmental Justice Video
STRAND		High School: World History Standards
CATEGORY/ GOAL	H:	Conflict and Compromise
STANDARD / ORGANIZER	HS.WH.C O.6.	Analyze methods used by state and non-state actors seeking to alter the global order which emerged during the post-World War period, including protests, social media campaigns, non-violent actions, boycotts, terrorism, guerilla warfare and other methods from 1945—present.
		Alliance to Save Energy 9-12 Environmental Justice Video
		Kentucky Academic Standards Social Studies Grade: 12 - Adopted: 2019
STRAND		High School: Civics Standards
CATEGORY / GOAL	C:	Civic Virtues and Democratic Principles

STANDARD / ORGANIZER	HS.C.CV. 2.	Assess how the expansion of civic virtues, democratic principles, constitutional rights and human rights influence the thoughts and actions of individuals and groups.
		Alliance to Save Energy 9-12 Environmental Justice Video
STANDARD / ORGANIZER	HS.C.CV.	Analyze the impact of the efforts of individuals and reform movements on the expansion of civil rights and liberties locally, nationally and internationally.
		Alliance to Save Energy 9-12 Environmental Justice Video
STRAND		High School: World History Standards
CATEGORY / GOAL	H:	Conflict and Compromise
STANDARD / ORGANIZER	HS.WH.C O.6.	Analyze methods used by state and non-state actors seeking to alter the global order which emerged during the post-World War period, including protests, social media campaigns, non-violent actions, boycotts, terrorism,

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guerilla warfare and other methods from 1945—present.