

THE ATTIC

KINDERGARTEN

NEXT GENERATION SCIENCE STANDARDS

K-PS2 MOTION AND STABILITY: FORCES AND INTERACTIONS

- K-PS2-1. Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.

K-2-ETS1 ENGINEERING DESIGN

- K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

COMMON CORE STATE STANDARDS FOR MATHEMATICS

GEOMETRY K.G

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

- K.G3. Identify shapes as two-dimensional (lying in a plane, “flat”) or three-dimensional (“solid”).

Analyze, compare, create, and compose shapes.

- K.G5. Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes.

COMMON CORE STATE STANDARDS FOR ENGLISH LANGUAGE ARTS

READING STANDARDS FOR INFORMATIONAL TEXT RI

- RI1. With prompting and support, ask and answer questions about key details in a text.
- RI3. With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text.
- RI4. With prompting and support, ask and answer questions about unknown words in a text.

READING STANDARDS: FOUNDATIONAL SKILLS RF

- RF1. Demonstrate understanding of the organization and basic features of print.
 - a. Follow words from left to right, top to bottom, and page by page.
- RF2. Demonstrate understanding of spoken words, syllables, and sounds (phonemes).
- RF3. Know and apply grade-level phonics and word analysis skills in decoding words.

WRITING STANDARDS W

- W3. Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened.

SPEAKING AND LISTENING STANDARDS SL

- SL1. Participate in collaborative conversations with diverse partners about *kindergarten topics and texts* with peers and adults in small and larger groups.
 - a. Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion).
- SL2. Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.
- SL3. Ask and answer questions in order to seek help, get information, or clarify something that is not understood.
- SL4. Describe familiar people, places, things, and events and, with prompting and support, provide additional detail.
- SL5. Add drawings or other visual displays to descriptions as desired to provide additional detail.
- SL6. Speak audibly and express thoughts, feelings, and ideas clearly.

LANGUAGE STANDARDS L

- L1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- L4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on *kindergarten reading and content*.
- L5. With guidance and support from adults, explore word relationships and nuances in word meanings.
- L6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts.

CASEL SOCIAL AND EMOTIONAL LEARNING (SEL) COMPETENCIES

SELF-AWARENESS

- Integrating personal and social identities
- Having a growth mindset

- Developing interests and a sense of purpose

SELF-MANAGEMENT

- Managing one's emotions
- Identifying and using stress-management strategies
- Setting personal and collective goals
- Using planning and organizational skills

SOCIAL AWARENESS

- Recognizing strengths in others

RELATIONSHIP SKILLS

- Communicating effectively
- Developing positive relationships
- Practicing teamwork and collaborative problem-solving
- Resolving conflicts constructively
- Seeking or offering support and help when needed

RESPONSIBLE DECISION-MAKING

- Demonstrating curiosity and open-mindedness
- Learning to make a reasoned judgment after analyzing information, data, facts
- Anticipating and evaluating the consequences of one's actions
- Recognizing how critical thinking skills are useful both inside & outside of school

GRADE ONE

NEXT GENERATION SCIENCE STANDARDS

K-2-ETS1 ENGINEERING DESIGN

- K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

COMMON CORE STATE STANDARDS FOR MATHEMATICS

GEOMETRY 1.G

Reason with shapes and their attributes.

- 1.G2. Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.

COMMON CORE STATE STANDARDS FOR ENGLISH LANGUAGE ARTS

READING STANDARDS FOR INFORMATIONAL TEXT RI

- RI1. Ask and answer questions about key details in a text.
- RI3. Describe the connection between two individuals, events, ideas, or pieces of information in a text.
- RI4. Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- RI5. Know and use various text features (e.g., headings, tables of contents, glossaries, electronic menus, icons) to locate key facts or information in a text.
- RI7. Use the illustrations and details in a text to describe its key ideas.

READING STANDARDS: FOUNDATIONAL SKILLS RF

- RF1. Demonstrate understanding of the organization and basic features of print.
- RF2. Demonstrate understanding of spoken words, syllables, and sounds (phonemes).
- RF3. Know and apply grade-level phonics and word analysis skills in decoding words.
 - g. Recognize and read grade-appropriate irregularly spelled words.
- RF4. Read with sufficient accuracy and fluency to support comprehension.
 - c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

WRITING STANDARDS W

- W3. Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.

SPEAKING AND LISTENING STANDARDS SL

- SL1. Participate in collaborative conversations with diverse partners about *grade 1 topics and texts* with peers and adults in small and larger groups.
 - a. Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).

- c. Ask questions to clear up any confusion about the topics and texts under discussion.
- SL2. Ask and answer questions about key details in a text read aloud or information presented orally or through other media.
- SL3. Ask and answer questions about what a speaker says in order to gather additional information or clarify something that is not understood.
- SL4. Describe people, places, things, and events with relevant details, expressing ideas and feelings clearly.
- SL5. Add drawings or other visual displays to descriptions when appropriate to clarify ideas, thoughts, and feelings.
- SL6. Produce complete sentences when appropriate to task and situation. (See grade 1 Language standards 1 and 3 on page 26 for specific expectations.)

LANGUAGE STANDARDS L

- L1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- L4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on *grade 1 reading and content*, choosing flexibly from an array of strategies.
- L6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts, including using frequently occurring conjunctions to signal simple relationships (e.g., because).

CASEL SOCIAL AND EMOTIONAL LEARNING (SEL) COMPETENCIES

SELF-AWARENESS

- Integrating personal and social identities
- Having a growth mindset
- Developing interests and a sense of purpose

SELF-MANAGEMENT

- Managing one's emotions
- Identifying and using stress-management strategies
- Setting personal and collective goals
- Using planning and organizational skills

SOCIAL AWARENESS

- Recognizing strengths in others

RELATIONSHIP SKILLS

- Communicating effectively
- Developing positive relationships
- Practicing teamwork and collaborative problem-solving
- Resolving conflicts constructively
- Seeking or offering support and help when needed

RESPONSIBLE DECISION-MAKING

- Demonstrating curiosity and open-mindedness
- Learning to make a reasoned judgment after analyzing information, data, facts
- Anticipating and evaluating the consequences of one's actions
- Recognizing how critical thinking skills are useful both inside & outside of school

GRADE TWO

NEXT GENERATION SCIENCE STANDARDS

2-PS1 MATTER AND ITS INTERACTIONS

- 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
- 2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

K-2-ETS1 ENGINEERING DESIGN

- K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

COMMON CORE STATE STANDARDS FOR MATHEMATICS

GEOMETRY 2.G

Reason with shapes and their attributes.

- 2.G1. Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons,

and cubes.

COMMON CORE STATE STANDARDS FOR ENGLISH LANGUAGE ARTS

READING STANDARDS FOR INFORMATIONAL TEXT RI

- RI1. Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
- RI3. Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.
- RI4. Determine the meaning of words and phrases in a text relevant to a *grade 2 topic or subject area*.
- RI5. Know and use various text features (e.g., captions, bold print, subheadings, glossaries, indexes, electronic menus, icons) to locate key facts or information in a text efficiently.

READING STANDARDS: FOUNDATIONAL SKILLS RF

- RF3. Know and apply grade-level phonics and word analysis skills in decoding words.
 - f. Recognize and read grade-appropriate irregularly spelled words.
- RF4. Read with sufficient accuracy and fluency to support comprehension.
 - c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

WRITING STANDARDS W

- W3. Write narratives in which they recount a well elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

SPEAKING AND LISTENING STANDARDS SL

- SL1. Participate in collaborative conversations with diverse partners about *grade 2 topics and texts* with peers and adults in small and larger groups.
 - a. Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).
 - c. Ask for clarification and further explanation as needed about the topics and texts under discussion.
- SL2. Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.
- SL3. Ask and answer questions about what a speaker says in order to clarify comprehension, gather additional information, or deepen understanding of a topic or issue.
- SL4. Tell a story or recount an experience with appropriate facts and relevant, descriptive details, speaking audibly in coherent sentences.

- SL5. Create audio recordings of stories or poems; add drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings.
- SL6. Produce complete sentences when appropriate to task and situation in order to provide requested detail or clarification. (See grade 2 Language standards 1 and 3 on page 26 for specific expectations.)

LANGUAGE STANDARDS L

- L1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- L4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on *grade 2 reading and content*, choosing flexibly from an array of strategies.
- L5. Demonstrate understanding of word relationships and nuances in word meanings.
- L6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts, including using adjectives and adverbs to describe (e.g., When other kids are happy that makes me happy).

CASEL SOCIAL AND EMOTIONAL LEARNING (SEL) COMPETENCIES

SELF-AWARENESS

- Integrating personal and social identities
- Having a growth mindset
- Developing interests and a sense of purpose

SELF-MANAGEMENT

- Managing one's emotions
- Identifying and using stress-management strategies
- Setting personal and collective goals
- Using planning and organizational skills

SOCIAL AWARENESS

- Recognizing strengths in others

RELATIONSHIP SKILLS

- Communicating effectively

- Developing positive relationships
- Practicing teamwork and collaborative problem-solving
- Resolving conflicts constructively
- Seeking or offering support and help when needed

RESPONSIBLE DECISION-MAKING

- Demonstrating curiosity and open-mindedness
- Learning to make a reasoned judgment after analyzing information, data, facts
- Anticipating and evaluating the consequences of one's actions
- Recognizing how critical thinking skills are useful both inside & outside of school

GRADE THREE

NEXT GENERATION SCIENCE STANDARDS

3-PS2 MOTION AND STABILITY: FORCES AND INTERACTIONS

- 3-PS2-1. Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
- 3-PS2-2. Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

3-5-ETS1 ENGINEERING DESIGN

- 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.

COMMON CORE STATE STANDARDS FOR ENGLISH LANGUAGE ARTS

READING STANDARDS FOR INFORMATIONAL TEXT RI

- RI1. Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.
- RI2. Determine the main idea of a text; recount the key details and explain how they support the main idea.
- RI3. Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.
- RI4. Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a *grade 3 topic or subject area*.
- RI5. Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate

information relevant to a given topic efficiently.

- RI7. Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).

READING STANDARDS: FOUNDATIONAL SKILLS RF

- RF3. Know and apply grade-level phonics and word analysis skills in decoding words.
 - c. Decode multisyllable words.
 - d. Read grade-appropriate irregularly spelled words.
- RF4. Read with sufficient accuracy and fluency to support comprehension.
 - c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

WRITING STANDARDS W

- W3. Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.

SPEAKING AND LISTENING STANDARDS SL

- SL1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 3 topics and texts*, building on others' ideas and expressing their own clearly.
 - b. Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).
 - c. Ask questions to check understanding of information presented, stay on topic, and link their comments to the remarks of others.
- SL2. Determine the main ideas and supporting details of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.
- SL3. Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.
- SL4. Report on a topic or text, tell a story, or recount an experience with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.
- SL5. Create engaging audio recordings of stories or poems that demonstrate fluid reading at an understandable pace; add visual displays when appropriate to emphasize or enhance certain facts or details.
- SL6. Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification. (See grade 3 Language standards 1 and 3 on page 28 for specific expectations.)

LANGUAGE STANDARDS L

- L1. Demonstrate command of the conventions of standard English grammar and usage when

writing or speaking.

- L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- L4. Determine or clarify the meaning of unknown and multiple-meaning word and phrases based on *grade 3 reading and content*, choosing flexibly from a range of strategies.
- L5. Demonstrate understanding of word relationships and nuances in word meanings.
- L6. Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal spatial and temporal relationships (e.g., After dinner that night we went looking for them).

CASEL SOCIAL AND EMOTIONAL LEARNING (SEL) COMPETENCIES

SELF-AWARENESS

- Integrating personal and social identities
- Having a growth mindset
- Developing interests and a sense of purpose

SELF-MANAGEMENT

- Managing one's emotions
- Identifying and using stress-management strategies
- Setting personal and collective goals
- Using planning and organizational skills

SOCIAL AWARENESS

- Recognizing strengths in others

RELATIONSHIP SKILLS

- Communicating effectively
- Developing positive relationships
- Practicing teamwork and collaborative problem-solving
- Resolving conflicts constructively
- Seeking or offering support and help when needed

RESPONSIBLE DECISION-MAKING

- Demonstrating curiosity and open-mindedness
- Learning to make a reasoned judgment after analyzing information, data, facts
- Anticipating and evaluating the consequences of one's actions
- Recognizing how critical thinking skills are useful both inside & outside of school

GRADE FOUR

NEXT GENERATION SCIENCE STANDARDS

4-PS3 ENERGY

- 4-PS3-2. Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.
- 4-PS3-4. Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.

3-5-ETS1 ENGINEERING DESIGN

- 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.

COMMON CORE STATE STANDARDS FOR MATHEMATICS

GEOMETRY 4.G

Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

- 4.G1. Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

COMMON CORE STATE STANDARDS FOR ENGLISH LANGUAGE ARTS

READING STANDARDS FOR INFORMATIONAL TEXT RI

- RI2. Determine the main idea of a text and explain how it is supported by key details; summarize the text.
- RI3. Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.
- RI4. Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a *grade 4 topic or subject area*.
- RI7. Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.

READING STANDARDS: FOUNDATIONAL SKILLS RF

- RF3. Know and apply grade-level phonics and word analysis skills in decoding words.
- RF4. Read with sufficient accuracy and fluency to support comprehension.
 - c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

WRITING STANDARDS W

- W3. Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.

SPEAKING AND LISTENING STANDARDS SL

- SL1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 4 topics and texts*, building on others' ideas and expressing their own clearly.
 - b. Follow agreed-upon rules for discussions and carry out assigned roles.
 - c. Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others.
 - d. Review the key ideas expressed and explain their own ideas and understanding in light of the discussion.
- SL2. Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.
- SL4. Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.
- SL5. Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes.

LANGUAGE STANDARDS L

- L1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- L4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.
- L5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.

- L6. Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions, emotions, or states of being (e.g., quizzed, whined, stammered) and that are basic to a particular topic (e.g., wildlife, conservation, and endangered when discussing animal preservation).

CASEL SOCIAL AND EMOTIONAL LEARNING (SEL) COMPETENCIES

SELF-AWARENESS

- Integrating personal and social identities
- Having a growth mindset
- Developing interests and a sense of purpose

SELF-MANAGEMENT

- Managing one's emotions
- Identifying and using stress-management strategies
- Setting personal and collective goals
- Using planning and organizational skills

SOCIAL AWARENESS

- Recognizing strengths in others

RELATIONSHIP SKILLS

- Communicating effectively
- Developing positive relationships
- Practicing teamwork and collaborative problem-solving
- Resolving conflicts constructively
- Seeking or offering support and help when needed

RESPONSIBLE DECISION-MAKING

- Demonstrating curiosity and open-mindedness
- Learning to make a reasoned judgment after analyzing information, data, facts
- Anticipating and evaluating the consequences of one's actions
- Recognizing how critical thinking skills are useful both inside & outside of school

GRADE FIVE

NEXT GENERATION SCIENCE STANDARDS

3-5-ETS1 ENGINEERING DESIGN

- 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.

COMMON CORE STATE STANDARDS FOR ENGLISH LANGUAGE ARTS

READING STANDARDS FOR INFORMATIONAL TEXT RI

- RI2. Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text.
- RI3. Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.
- RI4. Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a *grade 5 topic or subject area*.

READING STANDARDS: FOUNDATIONAL SKILLS RF

- RF3. Know and apply grade-level phonics and word analysis skills in decoding words.
- RF4. Read with sufficient accuracy and fluency to support comprehension.
 - c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

WRITING STANDARDS W

- W3. Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.

SPEAKING AND LISTENING STANDARDS SL

- SL1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 5 topics and texts*, building on others' ideas and expressing their own clearly.
 - b. Follow agreed-upon rules for discussions and carry out assigned roles.
 - c. Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.
 - d. Review the key ideas expressed and draw conclusions in light of information and knowledge gained from the discussions.
- SL2. Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.
- SL4. Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes; speak

clearly at an understandable pace.

- SL5. Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes.

LANGUAGE STANDARDS L

- L1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- L4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on *grade 5 reading and content*, choosing flexibly from a range of strategies.
- L5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.
- L6. Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., however, although, nevertheless, similarly, moreover, in addition).

CASEL SOCIAL AND EMOTIONAL LEARNING (SEL) COMPETENCIES

SELF-AWARENESS

- Integrating personal and social identities
- Having a growth mindset
- Developing interests and a sense of purpose

SELF-MANAGEMENT

- Managing one's emotions
- Identifying and using stress-management strategies
- Setting personal and collective goals
- Using planning and organizational skills

SOCIAL AWARENESS

- Recognizing strengths in others

RELATIONSHIP SKILLS

- Communicating effectively
- Developing positive relationships

- Practicing teamwork and collaborative problem-solving
- Resolving conflicts constructively
- Seeking or offering support and help when needed

RESPONSIBLE DECISION-MAKING

- Demonstrating curiosity and open-mindedness
- Learning to make a reasoned judgment after analyzing information, data, facts
- Anticipating and evaluating the consequences of one's actions
- Recognizing how critical thinking skills are useful both inside & outside of school

GRADE SIX

NEXT GENERATION SCIENCE STANDARDS

MS-PS1 MATTER AND ITS INTERACTIONS

- MS-PS1-3. Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.

MS-PS2 MOTION AND STABILITY: FORCES AND INTERACTIONS

- MS-PS2-1. Apply Newton's Third Law to design a solution to a problem involving the motion of two colliding objects.

MS-ETS1 ENGINEERING DESIGN

- MS-ETS1-3. Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.

COMMON CORE STATE STANDARDS FOR ENGLISH LANGUAGE ARTS

READING STANDARDS FOR INFORMATIONAL TEXT RI

- RI2. Determine a central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.
- RI4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings.

WRITING STANDARDS W

- W3. Write narratives to develop real or imagined experiences or events using effective technique, relevant descriptive details, and well-structured event sequences.

SPEAKING AND LISTENING STANDARDS SL

- SL1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) with diverse partners on *grade 6 topics, texts, and issues*, building on others' ideas

and expressing their own clearly.

- b. Follow rules for collegial discussions, set specific goals and deadlines, and define individual roles as needed.
 - c. Pose and respond to specific questions with elaboration and detail by making comments that contribute to the topic, text, or issue under discussion.
- SL2. Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study.
 - SL5. Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.

LANGUAGE STANDARDS L

- L1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- L4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on *grade 6 reading and content*, choosing flexibly from a range of strategies.
- L6. 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.

READING STANDARDS FOR LITERACY IN HISTORY/SOCIAL STUDIES RH

- RH3. Identify key steps in a text's description of a process related to history/social studies (e.g., how a bill becomes law, how interest rates are raised or lowered).
- RH4. Determine the meaning of words and phrases as they are used in a text, including vocabulary specific to domains related to history/social studies.

READING STANDARDS FOR LITERACY IN SCIENCE AND TECHNICAL SUBJECTS RST

- RST3. Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
- RST4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to *grades 6–8 texts and topics*.

CASEL SOCIAL AND EMOTIONAL LEARNING (SEL) COMPETENCIES

SELF-AWARENESS

- Integrating personal and social identities
- Having a growth mindset

- Developing interests and a sense of purpose

SELF-MANAGEMENT

- Managing one's emotions
- Identifying and using stress-management strategies
- Setting personal and collective goals
- Using planning and organizational skills

SOCIAL AWARENESS

- Recognizing strengths in others

RELATIONSHIP SKILLS

- Communicating effectively
- Developing positive relationships
- Practicing teamwork and collaborative problem-solving
- Resolving conflicts constructively
- Seeking or offering support and help when needed

RESPONSIBLE DECISION-MAKING

- Demonstrating curiosity and open-mindedness
- Learning to make a reasoned judgment after analyzing information, data, facts
- Anticipating and evaluating the consequences of one's actions
- Recognizing how critical thinking skills are useful both inside & outside of school