| National Inventors Hall of F | ame Education Programs [®] Invention Celebration Aligned to Next Generation Science, |
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| Common Core State, and CASEL Standards | |
| | Kindergarten |
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| Core Idea | Standard |
| | Next Generation Science Standards |
| | K-PS2-1. Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and |
| K-PS2 Motion and Stability: Forces and | pulls on the motion of an object. |
| Interactions | K-PS2-2. Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a |
| | push or a pull. |
| | K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a |
| K-2-ETS1 Engineering Design | 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 |
| Counting and Cardinality: Know | |
| number names and the count | K.CC3. Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 |
| sequence. | representing a count of no objects). |
| Counting and Cardinality: Count to | |
| tell the number of objects. | K.CC4. Understand the relationship between numbers and quantities; connect counting to cardinality. |
| | K.MD1. Describe measurable attributes of objects, such as length or weight. Describe several measurable |
| | attributes of a single object. |
| Measurement and Data: Describe | K.MD2. Directly compare two objects with a measurable attribute in common, to see which object has "more |
| and compare measurable attributes. | of" /"less of" the attribute, and describe the difference. For example, directly compare the heights of two children |
| | and describe one child as taller/shorter. |
| Comptant Angluza company | |
| Geometry: Analyze, compare, | K.G5. Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing |
| create, and compose shapes. | shapes. |

| Common Core State Standards for English Language Arts | |
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| Reading Standards for Informational Text K-6 | RI1. With prompting and support, ask and answer questions about key details in a text. |
| | RI4. With prompting and support, ask and answer questions about unknown words in a text. |
| | RI1. Ask and answer questions about key details in a text. |
| | RF1. Demonstrate understanding of the organization and basic features of print. |
| Reading Standards: Foundational | a. Follow words from left to right, top to bottom, and page by page. |
| Skills K-5 | RF2. Demonstrate understanding of spoken words, syllables, and sounds (phonemes). |
| | c. Read common high-frequency words by sight (e.g., the, of, to, you, she, my, is, are, do, does). |
| | RF4. Read emergent-reader texts with purpose and understanding. |
| | SL1. Participate in collaborative conversations with diverse partners about kindergarten topics and texts with |
| | peers and adults in small and larger groups. |
| Speaking and Listening Standards K-6 | a. Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics |
| | and texts under discussion). |
| | b. Continue a conversation through multiple exchanges. |
| | 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. |
| | |
| Speaking and Listening Standards K-6 | 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 K-6 | |
| | L6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts. |

| CASEL Social and Emotional Learning (SEL) Competencies | |
|--|---|
| | Integrating personal and social identities |
| | Identifying personal, cultural, and linguistic assets |
| | Identifying one's emotions |
| Self-Awareness | Linking feelings, values, and thoughts |
| | Experiencing self-efficacy |
| | Having a growth mindset |
| | Developing interests and a sense of purpose |
| | Managing one's emotions |
| | Exhibiting self-discipline and self-motivation |
| Self-Management | Setting personal and collective goals |
| | Using planning and organizational skills |
| | Demonstrating personal and collective agency |
| | Recognizing strengths in others |
| Social Awareness | Demonstrating empathy and compassion |
| Social Awareness | Showing concern for the feelings of others |
| | Recognizing situational demands and opportunities |
| | Communicating effectively |
| Relationship Skills | Developing positive relationships |
| Relationship skins | Practicing teamwork and collaborative problem-solving |
| | Seeking or offering support and help when needed |
| | Demonstrating curiosity and open-mindedness |
| Responsible Decision-Making | Learning to make a reasoned judgment after analyzing information, data, facts |
| | Recognizing how critical thinking skills are useful both inside & outside of school |

| National Inventors Hall of Fame Education Programs [®] Invention Celebration Aligned to Next Generation Science, | |
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| | Common Core State, and CASEL Standards |
| | Grade One |
| Core Idea | Standard |
| | Next Generation Science Standards |
| 1-PS4 Waves and their Applications in | 1-PS4-1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make |
| Technologies for Information Transfer | materials vibrate. |
| | K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a |
| K-2-ETS1 Engineering Design | 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: Reason with shapes and | 1.G2. Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter- |
| their attributes. | circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular |
| then attributes. | cylinders) to create a composite shape, and compose new shapes from the composite shape. |
| | Common Core State Standards for English Language Arts |
| | 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 |
| Reading Standards for Informational | locate key facts or information in a text. |
| Text K-6 | RI6. Distinguish between information provided by pictures or other illustrations and information provided by |
| | the words in a text. |
| | RI7. Use the illustrations and details in a text to describe its key ideas. |
| | RF1. Demonstrate understanding of the organization and basic features of print. |
| Reading Standards: Foundational | RF2. Demonstrate understanding of spoken words, syllables, and sounds (phonemes). |
| Skills K-5 | RF4. Read with sufficient accuracy and fluency to support comprehension. |
| | in the with summer accuracy and nachely to support comprehension. |

| Common Core State Standards for English Language Arts | |
|---|---|
| | 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). |
| Speaking and Listening Standards K-6 | |
| | b. Build on others' talk in conversations by responding to the comments of others through multiple exchanges. |
| | 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. |
| Speaking and Listening Standards K-6 | 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. |
| Language Standards K-6 | 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 |
| | Integrating personal and social identities |
| | Identifying personal, cultural, and linguistic assets |
| | Identifying one's emotions |
| Self-Awareness | Linking feelings, values, and thoughts |
| | Experiencing self-efficacy |
| | Having a growth mindset |
| | Developing interests and a sense of purpose |
| Self-Management | Managing one's emotions |
| | Exhibiting self-discipline and self-motivation |
| | Setting personal and collective goals |
| | Using planning and organizational skills |
| | Demonstrating personal and collective agency |

| CASEL Social and Emotional Learning (SEL) Competencies | |
|--|---|
| Social Awareness | Recognizing strengths in others |
| | Demonstrating empathy and compassion |
| | Showing concern for the feelings of others |
| | Recognizing situational demands and opportunities |
| | Communicating effectively |
| Relationship Skills | Developing positive relationships |
| | Practicing teamwork and collaborative problem-solving |
| | 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 |
| | Recognizing how critical thinking skills are useful both inside & outside of school |

| National Inventors Hall of Fame Education Programs [®] Invention Celebration Aligned to Next Generation Science, | |
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| Common Core State, and CASEL Standards | |
| | Grade Two |
| Core Idea | Standard |
| | Next Generation Science Standards |
| 2-PS1 Matter and its Interactions | 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-ETS1-1. 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 Engineering Design | 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 English Language Arts |
| | RI3. Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text. |
| Reading Standards for Informational Text K-6 | 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. |
| | RI7. Explain how specific images (e.g., a diagram showing how a machine works) contribute to and clarify a text. |
| Reading Standards: Foundational Skills K-5 | RF4. Read with sufficient accuracy and fluency to support comprehension. |
| | 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). |
| | b. Build on others' talk in conversations by linking their comments to the remarks of others. |
| Speaking and Listening Standards K.C. | c. Ask for clarification and further explanation as needed about the topics and texts under discussion. |
| Speaking and Listening Standards K-6 | 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. |

| | Common Core State Standards for English Language Arts |
|-----------------------------|---|
| Language Standards K-6 | L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening. |
| | 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 |
| | Integrating personal and social identities |
| | Identifying personal, cultural, and linguistic assets |
| | Identifying one's emotions |
| Self-Awareness | Linking feelings, values, and thoughts |
| | Experiencing self-efficacy |
| | Having a growth mindset |
| | Developing interests and a sense of purpose |
| | Managing one's emotions |
| | Exhibiting self-discipline and self-motivation |
| Self-Management | Setting personal and collective goals |
| | Using planning and organizational skills |
| | Demonstrating personal and collective agency |
| | Recognizing strengths in others |
| Social Awareness | Demonstrating empathy and compassion |
| Social Awareness | Showing concern for the feelings of others |
| | Recognizing situational demands and opportunities |
| | Communicating effectively |
| Relationship Skills | Developing positive relationships |
| | Practicing teamwork and collaborative problem-solving |
| | Seeking or offering support and help when needed |
| | Demonstrating curiosity and open-mindedness |
| Responsible Decision-Making | Learning to make a reasoned judgment after analyzing information, data, facts |
| | Recognizing how critical thinking skills are useful both inside & outside of school |

| National Inventors Hall of Fame Education Programs [®] Invention Celebration Aligned to Next Generation Science, | |
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| Common Core State, and CASEL Standards | |
| | Grade Three |
| Core Idea | Standard |
| | Next Generation Science Standards |
| | 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 Motion and Stability: Forces and | 3-PS2-2. Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to |
| Interactions | predict future motion. |
| | 3-PS2-3. Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not |
| | in contact with each other. |
| | 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints |
| 3-5-ETS1 Engineering Design | on materials, time, or cost. |
| | 3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria |
| | and constraints of the problem. |
| | Common Core State Standards for English Language Arts |
| | RI1. Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis |
| | for the answers. |
| | 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. |
| Reading Standards for Informational | RI4. Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a |
| Text K-6 | 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 | RF4. Read with sufficient accuracy and fluency to support comprehension. |
| Skills K-5 | c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary. |

| Common Core State Standards for English Language Arts | |
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| Speaking and Listening Standards K-6 | SL1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) 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. |
| | d. Explain their own ideas and understanding in light of the discussion. |
| | 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. |
| | L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening. |
| Language Standards K-6 | L6. Acquire and use accurately grade-appropriate conversational, general academic, and domainspecific 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 |
| | Integrating personal and social identities |
| | Identifying personal, cultural, and linguistic assets |
| | Identifying one's emotions |
| Self-Awareness | Linking feelings, values, and thoughts |
| | Experiencing self-efficacy |
| | Having a growth mindset |
| | Developing interests and a sense of purpose |
| | Managing one's emotions |
| | Exhibiting self-discipline and self-motivation |
| Self-Management | Setting personal and collective goals |
| | Using planning and organizational skills |
| | Demonstrating personal and collective agency |
| | Recognizing strengths in others |
| Social Awareness | Demonstrating empathy and compassion |
| | Showing concern for the feelings of others |
| | Recognizing situational demands and opportunities |

| CASEL Social and Emotional Learning (SEL) Competencies | |
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| Relationship Skills | Communicating effectively |
| | Developing positive relationships |
| | Practicing teamwork and collaborative problem-solving |
| | 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 |
| | Recognizing how critical thinking skills are useful both inside & outside of school |

| National Inventors Hall of Fame Education Programs® Invention Celebration Aligned to Next Generation Science, | |
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| Common Core State, and CASEL Standards | |
| | Grade Four |
| Core Idea | Standard |
| | 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. |
| | 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. |
| 3-5-ETS1 Engineering Design | 3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. |
| | Common Core State Standards for Mathematics |
| Geometry: 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 |
| | RI1. Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text. |
| Reading Standards for Informational Text K-6 | 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. |
| Техт К-б | 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 | RF4. Read with sufficient accuracy and fluency to support comprehension. |
| Skills K-5 | c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary. |
| Speaking and Listening Standards K-6 | SL1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) 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. |

| | Common Core State Standards for English Language Arts |
|-----------------------------|---|
| Language Standards K-6 | L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening. |
| | 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 |
| | Integrating personal and social identities |
| | Identifying personal, cultural, and linguistic assets |
| | Identifying one's emotions |
| Self-Awareness | Linking feelings, values, and thoughts |
| | Experiencing self-efficacy |
| | Having a growth mindset |
| | Developing interests and a sense of purpose |
| | Managing one's emotions |
| | Exhibiting self-discipline and self-motivation |
| Self-Management | Setting personal and collective goals |
| | Using planning and organizational skills |
| | Demonstrating personal and collective agency |
| | Recognizing strengths in others |
| Social Awareness | Demonstrating empathy and compassion |
| | Showing concern for the feelings of others |
| | Recognizing situational demands and opportunities |
| Relationship Skills | Communicating effectively |
| | Developing positive relationships |
| | Practicing teamwork and collaborative problem-solving |
| | 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 |
| | Recognizing how critical thinking skills are useful both inside & outside of school |

| National Inventors Hall of F | ame Education Programs [®] Invention Celebration Aligned to Next Generation Science, | |
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| Common Core State, and CASEL Standards Grade Five | | |
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| | Next Generation Science Standards | |
| | 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints | |
| 3-5-ETS1 Engineering Design | on materials, time, or cost. 3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. | |
| | Common Core State Standards for English Language Arts | |
| Reading Standards for Informational Text K-6 | 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. | |
| | RI7. Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently. | |
| Reading Standards: Foundational | RF4. Read with sufficient accuracy and fluency to support comprehension. | |
| Skills K-5 | c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary. | |
| | SL1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly. | |
| Speaking and Listening Standards K-6 | 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. | |
| Speaking and Listening Standards K-6 | d. Review the key ideas expressed and draw conclusions in light of information and knowledge gained from the discussions. | |
| Language Standards K-6 | L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening. | |
| | 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 | |
| | Identifying personal, cultural, and linguistic assets | |
| | Identifying one's emotions | |
| | Linking feelings, values, and thoughts | |
| | Experiencing self-efficacy | |
| | Having a growth mindset | |
| | Developing interests and a sense of purpose | |
| | Managing one's emotions | |
| | Exhibiting self-discipline and self-motivation | |
| Self-Management | Setting personal and collective goals | |
| | Using planning and organizational skills | |
| | Demonstrating personal and collective agency | |
| | Recognizing strengths in others | |
| Social Awareness | Demonstrating empathy and compassion | |
| Social Awareness | Showing concern for the feelings of others | |
| | Recognizing situational demands and opportunities | |
| | Communicating effectively | |
| Relationship Skills | Developing positive relationships | |
| | Practicing teamwork and collaborative problem-solving | |
| | 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 | |
| | Recognizing how critical thinking skills are useful both inside & outside of school | |

| National Inventors Hall of F | ame Education Programs [®] Invention Celebration Aligned to Next Generation Science, | | |
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| Common Core State, and CASEL Standards Grade Six-Eight | | | |
| | | | |
| | Next Generation Science Standards | | |
| MS-ETS1 Engineering Design | MS-ETS1-1. Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions. | | |
| | MS-ETS1-2. Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem. | | |
| | 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 | RI4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings. | | |
| Text K-6 | RI7. Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue. | | |
| | 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. | | |
| Speaking and Listening Standards K-6 | c. Pose and respond to specific questions with elaboration and detail by making comments that contribute to the topic, text, or issue under discussion. | | |
| | d. Review the key ideas expressed and demonstrate understanding of multiple perspectives through reflection and paraphrasing. | | |
| | L3. Use knowledge of language and its conventions when writing, speaking, reading, or listening. | | |
| Language Standards K-6 | 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 Science and Technical Subjects 6-8 | RST3. Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks. | | |
| | RST7. Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table). | | |

| CASEL Social and Emotional Learning (SEL) Competencies | | |
|--|---|--|
| Self-Awareness | Integrating personal and social identities | |
| | Identifying personal, cultural, and linguistic assets | |
| | Identifying one's emotions | |
| | Linking feelings, values, and thoughts | |
| | Experiencing self-efficacy | |
| | Having a growth mindset | |
| | Developing interests and a sense of purpose | |
| | Managing one's emotions | |
| | Exhibiting self-discipline and self-motivation | |
| Self-Management | Setting personal and collective goals | |
| | Using planning and organizational skills | |
| | Demonstrating personal and collective agency | |
| | Recognizing strengths in others | |
| Social Awareness | Demonstrating empathy and compassion | |
| Social Awareness | Showing concern for the feelings of others | |
| | Recognizing situational demands and opportunities | |
| | Communicating effectively | |
| Relationship Skills | Developing positive relationships | |
| | Practicing teamwork and collaborative problem-solving | |
| | 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 | |
| | Recognizing how critical thinking skills are useful both inside & outside of school | |