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<th>Activities</th>
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| **Activity 1** | CCSS ELA-Literacy: W.5.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.  
CCSS ELA-Literacy: W.5.8 Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.  
CCSS ELA-Literacy: W.6.2 Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.  
CCSS ELA-Literacy: SL.5.1 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. |
| **Activity 2** | CCSS ELA-Literacy: RL.4.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.  
CCSS ELA-Literacy: RL.4.2 Determine a theme of a story, drama, or poem from details in the text; summarize the text.  
CCSS ELA-Literacy: RL.4.7 Make connections between the text of a story or drama and a visual or oral presentation of the text, identifying where each version reflects specific descriptions and directions in the text.  
CCSS ELA-Literacy: RL.5.1 Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.  
CCSS ELA-Literacy: RL.5.4 Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.  
CCSS ELA-Literacy: RL.6.4 Determine the meaning of words and phrases as they are used in a text, including figurative and connotative meanings; analyze the impact of a specific word choice on meaning and tone. |
| **Activity 3** | CCSS ELA-Literacy: RH.6-8.2 Determine the central ideas or information of a primary or secondary source; provide an accurate summary of the source distinct from prior knowledge or opinions.  
CCSS ELA-Literacy: RH.6-8.7 Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts. |
| **Activity 4** | CCSS ELA-Literacy: RI.4.7 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.  
CCSS ELA-Literacy: W.5.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.  
CCSS ELA-Literacy: RI.6.7 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. |
| **Activity 5** | CCSS ELA-Literacy: 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.  
CCSS ELA-Literacy: RI.4.2 Determine the main idea of a text and explain how it is supported by key details; summarize the text.  
CCSS ELA-Literacy: RI.4.3 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.  
CCSS ELA-Literacy: W.5.1 Write opinion pieces on topics or texts, supporting a point of view with reasons and information.  
CCSS ELA-Literacy: RI.6.1 Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.  
CCSS ELA-Literacy: RI.6.2 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.  
CCSS ELA-Literacy: W.6.1 Write arguments to support claims with clear reasons and relevant evidence. |
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| Activity 6 | CCSS ELA-Literacy: 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.  
CCSS ELA-Literacy: RI.4.2 Determine the main idea of a text and explain how it is supported by key details; summarize the text.  
CCSS ELA-Literacy: RI.4.3 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.  
CCSS ELA-Literacy: W.5.1 Write opinion pieces on topics or texts, supporting a point of view with reasons and information.  
CCSS ELA-Literacy: RI.6.1 Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.  
CCSS ELA-Literacy: RI.6.2 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.  
CCSS ELA-Literacy: W.6.1 Write arguments to support claims with clear reasons and relevant evidence. |
| Activity 7 | CCSS ELA-Literacy: W.4.3 Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.  
CCSS ELA-Literacy: SL.5.1 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.  
CCSS ELA-Literacy: RL.6.1 Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.  
CCSS ELA-Literacy: RL.6.3 Describe how a particular story’s or drama’s plot unfolds in a series of episodes as well as how the characters respond or change as the plot moves toward a resolution. |
| Activity 8 | CCSS ELA-Literacy: W.6.2 Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.  
NGSS MS-LS2-1. Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem. |
| Activity 9 | CCSS ELA-Literacy: SL.6.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others’ ideas and expressing their own clearly.  
CCSS ELA-Literacy: W.6.7 Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.  
NGSS MS-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. |
| Activity 10 | CCSS ELA-Literacy: RL.6.1 Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.  
CCSS ELA-Literacy: RL.6.3 Describe how a particular story’s or drama’s plot unfolds in a series of episodes as well as how the characters respond or change as the plot moves toward a resolution.  
CCSS ELA-Literacy: W.6.1 Write arguments to support claims with clear reasons and relevant evidence.  
NGSS MS-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. |
| Activity 11 | CCSS ELA-Literacy: W.5.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.  
CCSS ELA-Literacy: SL.5.1 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. |
| Activity 12 | CCSS Math: 6.EE.A Apply and extend previous understandings of arithmetic to algebraic expressions.  
CCSS Math: 6.EE.B Reason about and solve one-variable equations and inequalities. |
### Activities

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| **Activity 13** | NGSS 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.  
NGSS 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.  
NGSS 3-5-ETS1-3. Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. |
| **Activity 14** | NGSS 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.  
NGSS 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. |
| **Activity 15** | CCSS Math: 4.G.A Draw and identify lines and angles, and classify shapes by properties of their lines and angles.  
CCSS Math: 5.G.B Classify two-dimensional figures into categories based on their properties. |
| **Activity 16** | CCSS ELA-Literacy: W.5.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.  
CCSS ELA-Literacy: SL.5.1 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. |
| **Activity 17** | CCSS ELA-Literacy: W.5.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.  
CCSS ELA-Literacy: SL.5.1 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. |