<table>
<thead>
<tr>
<th>Activities</th>
<th>Common Core State Standards and Next Generation Science Standards</th>
</tr>
</thead>
</table>
| **Activity 1** | 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: SL.5.4 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.  
CCSS ELA-Literacy: SL.5.5 Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes. |
| **Activity 2** | 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: RI.6.3 Analyze in detail how a key individual, event, or idea is introduced, illustrated, and elaborated in a text (e.g., through examples or anecdotes). |
| **Activity 3** | 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 4** | 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 5** | CCSS ELA-Literacy: W.5.7 Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.  
CCSS ELA-Literacy: SL.5.4 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.  
CCSS ELA-Literacy: SL.5.5 Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes. |
| **Activity 6** | CCSS ELA-Literacy: SL.6.4 Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation.  
CCSS ELA-Literacy: SL.6.5 Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.  
NGSS: MS-ESS2-3. Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions. |
| **Activity 7** | CCSS ELA-Literacy: SL.6.4 Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation.  
CCSS ELA-Literacy: SL.6.5 Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.  
NGSS: MS-ESS2-3. Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions. |
| **Activity 8** | CCSS ELA-Literacy: W.5.7 Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.  
CCSS ELA-Literacy: SL.5.4 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.  
CCSS ELA-Literacy: SL.5.5 Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes. |
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| Activity 9 | 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: W.5.7 Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.  
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 10 | CCSS Math: 4.MD.A Solve problems involving measurement and conversion of measurements.  
CCSS Math: 5.MD.A Convert like measurement units within a given measurement system. |
| Activity 11 | CCSS ELA-Literacy: WHST.6-8.2 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: WHST.6-8.7 Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.  
CCSS ELA-Literacy: WHST.6-8.8 Gather relevant information from multiple print and digital sources; assess the credibility of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and providing basic bibliographic information for sources.  
CCSS ELA-Literacy: WHST.6-8.9 Draw evidence from literary or informational texts to support analysis, reflection, and research. |
| Activity 12 | CCSS ELA-Literacy: W.5.7 Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.  
CCSS ELA-Literacy: SL.5.4 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.  
CCSS ELA-Literacy: SL.5.5 Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes. |
| Activity 13 | CCSS ELA-Literacy: W.5.7 Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.  
CCSS ELA-Literacy: SL.5.4 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. |
| Activity 14 | 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.4.5 Explain major differences between poems, drama, and prose, and refer to the structural elements of poems (e.g., verse, rhythm, meter) and drama (e.g., casts of characters, settings, descriptions, dialogue, stage directions) when writing or speaking about a text.  
CCSS ELA-Literacy: W.5.7 Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.  
NGSS: MS-ETS1-4. Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved. |
| Activity 15 | CCSS ELA-Literacy: WHST.6-8.7 Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.  
NGSS: 4-ESS3-1. Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment. |
| Activity 16 | 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: 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. |