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<th>Activities</th>
<th>Common Core State Standards and Next Generation Science Standards</th>
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| Activity 1 | CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS ELA-Literacy: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. |
| Activity 2 | CCSS ELA-Literacy: W.3.8 Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.  
CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS Math: 1.MD.C Represent and interpret data.  
NGSS K-ESS2-1. Use and share observations of local weather conditions to describe patterns over time.  
NGSS 3-ESS2-1. Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season. |
| Activity 3 | CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS Math: 4.MD.A Solve problems involving measurement and conversion of measurements. |
| Activity 4 | CCSS ELA-Literacy: W.2.8 Recall information from experiences or gather information from provided sources to answer a question.  
CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS ELA-Literacy: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. |
| Activity 5 | CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS ELA-Literacy: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.  
NGSS 2-ESS2-3. Obtain information to identify where water is found on Earth and that it can be solid or liquid.  
NGSS 4-ESS2-2. Analyze and interpret data from maps to describe patterns of Earth’s features.  
NGSS 5-ESS2-2. Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth. |
| Activity 6 | CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
NGSS 2-ESS2-3. Obtain information to identify where water is found on Earth and that it can be solid or liquid. |
| Activity 7 | CCSS ELA-Literacy: W.3.3 Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.  
CCSS ELA-Literacy: W.3.7 Conduct short research projects that build knowledge about a topic.  
NGSS 5-ESS2-1. Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact. |
| Activity 8 | CCSS ELA-Literacy: W.3.7 Conduct short research projects that build knowledge about a topic.  
NGSS 1-ESS1-1. Use observations of the sun, moon, and stars to describe patterns that can be predicted. |
| Activity 9 | CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS ELA-Literacy: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.  
CCSS ELA-Literacy: L.2.4 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.  
CCSS Math: 4.G.A Draw and identify lines and angles, and classify shapes by properties of their lines and angles.  
NGSS 3-LS1-1. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death. |
| Activity 10 | CCSS ELA-Literacy: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.  
NGSS K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.  
NGSS 2-LS2-1. Plan and conduct an investigation to determine if plants need sunlight and water to grow. |
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| Activity 11 | **CCSS ELA-Literacy:** RL.2.1 Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.  
CCSS ELA-Literacy: W.2.8 Recall information from experiences or gather information from provided sources to answer a question.  
CCSS ELA-Literacy: W.3.3 Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.  
CCSS ELA-Literacy: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.  
NGSS K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live. |
| Activity 12 | **CCSS ELA-Literacy:** W.3.7 Conduct short research projects that build knowledge about a topic.  
CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS ELA-Literacy: L.2.4 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.  
| Activity 13 | **CCSS ELA-Literacy:** W.3.7 Conduct short research projects that build knowledge about a topic.  
CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
NGSS 4-PS4-1. Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move. |
| Activity 14 | **CCSS ELA-Literacy:** RL.3.2 Recount stories, including fables, folktales, and myths from diverse cultures; determine the central message, lesson, or moral and explain how it is conveyed through key details in the text.  
CCSS ELA-Literacy: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS ELA-Literacy: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. |
| Activity 15 | **CCSS ELA-Literacy:** W.3.7 Conduct short research projects that build knowledge about a topic.  
CCSS Math: 4.OA.A Use the four operations with whole numbers to solve problems.  
NGSS 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.  
NGSS 5-ESS3-1. Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment. |