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Universe, Earth, Environment (Earth Science)

Essential Question: How do sky changes affect your day?

Enduring Knowledge	Science Concepts	GE	Evidence of Understanding
<p><u>Solar System:</u> The universe, earth and all earth systems have undergone change in the past, continue to change in the present and predicted to continue changing in the future.</p>	<p>a. The sun can be seen only at day time. b. The sun and moon are in the sky.</p>	44	Observing and recording the day and night sky
<p><u>Earth Materials and the Rock Cycle:</u> The universe, earth and all earth systems have undergone change in the past, continue to change in the present and predicted to continue changing in the future.</p>	<p>a. Chunks of rocks come in many sizes and shapes, from boulders to grains of sand and even smaller.</p>	46	Sorting and recognizing similarities and differences in a variety of rocks (from boulders to grains of sand)

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Focusing Questions	Potential Inquiries/Activities	Resources/Notes
<p>What changes happen in the sky throughout a 24 hour day?</p> <ul style="list-style-type: none"> - A 24 hour day is divided into 2 parts - night and day. - The sun provides the light of daytime. - Sometimes the moon can be seen during daylight hours. - The sun is a star. - The sun is a constant in the sky. - The earth moves around the sun. - Sometimes both the sun and moon can be seen in the daytime. - Sometimes the sun and the moon are not visible in the sky. 	<p>How would you sort these pictures into day or night?</p> <p>Photographs of daytime sky (1) w/ sun, (2) w/out sun, (3) w/ sun and moon, (4) w/ clouds.</p> <p>Photographs of night time sky (1) w/ various moon phases, (2) w/out moon, (3) w/out stars</p>	
<p>What forms can rocks take?</p> <ul style="list-style-type: none"> - Rocks can be many different sizes. - Rocks can be a variety of different shapes. - Rocks can be a variety of different colors. - Sand is made up of small particles of rock. 	<p>How can you sort these rocks?</p> <ul style="list-style-type: none"> - shape - size - color - texture 	

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Essential Question: What happens to the supply of natural resources as we use

Enduring Knowledge	Science Concepts	GE	Evidence of Understanding
<p><u>Atmosphere, Water Cycle, Weather, Seasons:</u> The universe, earth and all earth systems have undergone change in the past, continue to change in the present and predicted to continue changing in the future.</p>	<p>a. Weather changes from day to day.</p>	<p>48</p>	<p>Observing and describing weather daily throughout a school year</p>
<p><u>Natural Resources:</u> The universe, earth and all earth systems have undergone change in the past, continue to change in the present and predicted to continue changing in the future.</p>	<p>a. Natural Resources are materials that we obtain from the living and non-living environment.</p>	<p>49</p>	<p>Identifying items that students consume on a daily basis (e.g., food, fiber, paper, wool or wood)</p>

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them in our daily life?

Focusing Questions	Potential Inquiries/Activities	Resources/Notes
<p>How does weather change?</p> <ul style="list-style-type: none"> - Weather can be described (sunny, rainy, cloudy, etc.). - Weather can change in a short period of time. - Air temperature is measured with a thermometer. 	<p>Daily Activity: Weather/calendar</p>	
<p>How do we use natural resources?</p> <ul style="list-style-type: none"> - A natural resource is something from the environment that people use. - People use up natural resources daily. - Examples of living natural resources are food and wood from trees. - Examples of non-living natural resources are rocks, water, and air. 	<p>"I wonder" where _____ comes from? (pencil, paper, clothing, chocolate milk)</p> <p>"I wonder" how much _____ we use? (wood, water)</p> <p>Find things that are made of rock.</p>	