<table>
<thead>
<tr>
<th>Title</th>
<th>Mission Learning Objectives</th>
<th>Quest Activity Description</th>
<th>Types of Play</th>
<th>21st Century Skill</th>
<th>Next Generation Science Standards</th>
<th>National Science Education Standards</th>
<th>NAAEE Excellence in Environmental Education Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treasure Chest</td>
<td>Inventory elements found in nature.</td>
<td>Collect and identify loose parts in nature along with their function.</td>
<td>Parallel - Fantasy - Physical</td>
<td>- Creativity &amp; innovation - Flexibility &amp; adaptability - Initiative &amp; self-Direction - Social &amp; cross-cultural skills</td>
<td>- Constructing explanations and designing solutions - Structure and function - Scientific Investigations - Use a Variety of Methods - Science is a Way of Knowing - Science Addresses Questions About the Natural and Material World</td>
<td>- Systems, order, and organization - Form and function - Properties of Earth materials - Distinguishing natural objects and human-made objects</td>
<td>- Questioning - Collecting information - Organizing information - Developing explanations</td>
</tr>
<tr>
<td>Fueling for Survival</td>
<td>Identify sources of food and water in nature that fuel plants and animals.</td>
<td>Play hot/cold to connect to sources of fuel in nature.</td>
<td>Cooperative - Fantasy - Physical</td>
<td>- Environmental literacy - Communication - Collaboration - Flexibility &amp; adaptability - Social &amp; cross-cultural skills</td>
<td>- Asking questions and defining problems - Developing and using models - Constructing explanations and designing solutions - Scientific Investigations - Scientific Models, Laws, Mechanisms, and Theories - Science is a Way of Knowing - Science Addresses Questions About the Natural and Material World - Interdependence of science</td>
<td>- Evidence, models, and explanation - Scientific inquiry - Organisms and environments - Properties of Earth materials - Types of resources</td>
<td>- Working with models and simulations - Developing explanations - Earth as a physical system - Living environment</td>
</tr>
<tr>
<td>Title</td>
<td>Mission Activity Description</td>
<td>Types of Play</td>
<td>21st Century Skill</td>
<td>Next Generation Science Standards</td>
<td>National Science Education Standards</td>
<td>NAAEE Excellence in Environmental Education Standards</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>----------------------------</td>
<td>------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
<td>------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Power Up</td>
<td>Experience the advantages of adaptations.</td>
<td>Parallel Cooperative Fantasy Competitive Physical Constructive</td>
<td>Environmental literacy Creativity &amp; innovation Critical thinking &amp; problem solving</td>
<td>Asking questions and defining problems Constructing explanations and designing solutions Structure and function Scientific Investigations Use a Variety of Methods Science is a Way of Knowing Science Addresses Questions About the Natural and Material World Interdependence of science Engineering and technology</td>
<td>Form and function Scientific inquiry Characteristics of organisms Organisms and environments</td>
<td>Working with models and simulations Collecting information Developing explanations Living environment</td>
<td></td>
</tr>
<tr>
<td>Home Base</td>
<td>Observe characteristics of animal shelters.</td>
<td>Cooperative Fantasy Physical</td>
<td>Environmental literacy Communication Collaboration Social &amp; cross-cultural skills Leadership &amp; responsibility</td>
<td>Developing and using models Planning and carrying out investigations Patterns Scientific Investigations Use a Variety of Methods Scientific Models, Laws, Mechanisms, and Theories Explain Natural Phenomena Science is a Way of Knowing Science Addresses Questions About the Natural and Material World</td>
<td>Systems, order, and organization Evidence, models, and explanation Organisms and environments</td>
<td>Designing investigations Collecting information Organizing information Living environment</td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td>Mission Learning Objectives</td>
<td>Quest Activity Description</td>
<td>Types of Play</td>
<td>21st Century Skill</td>
<td>Next Generation Science Standards</td>
<td>National Science Education Standards</td>
<td>NAAEE Excellence in Environmental Education Standards</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------</td>
<td>----------------------------</td>
<td>---------------</td>
<td>------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Nature’s Brew</td>
<td>Understand the need for animals to secure shelter.</td>
<td>Draw scenario cards to prompt the building of shelters.</td>
<td>- Parallel - Cooperative - Fantasy - Physical - Constructive</td>
<td>- Global awareness - Environmental literacy - Creativity &amp; innovation - Critical thinking &amp; problem solving - Social &amp; cross-cultural skills - Productivity &amp; accountability</td>
<td>- Developing and using models - Constructing explanations (for science) and designing solutions (for engineering) - Cause and effect - Interdependence of science - Engineering and technology, and the influence of science, engineering and technology on society and the natural world</td>
<td>- Evidence, models, and explanation - Evolution and equilibrium - Organisms and environments - Populations - Changes in environments</td>
<td>- Working with models and simulations - Developing explanations - Earth as a physical system - Living environment - Humans and their societies - Decision-making for environmental issues</td>
</tr>
<tr>
<td>Head to Head</td>
<td>Experience head-to-head encounters to understand food chains.</td>
<td>Play rock/paper/scissors to prompt movement through trophic levels.</td>
<td>- Cooperative - Fantasy - Competitive - Physical</td>
<td>- Environmental literacy - Communication - Flexibility &amp; adaptability</td>
<td>- Systems and system models - Energy and matter: flows, cycles, and conservation - Stability and change - Scientific Investigations - Science is a Way of Knowing - Order and Consistency in Natural Systems - Addresses Questions About the Natural and Material World - Interdependence of science</td>
<td>- Systems, order, and organization - Life cycles of organisms - Organisms and environments</td>
<td>- Working with models and simulations - Living environment</td>
</tr>
<tr>
<td>Title</td>
<td>Mission Description</td>
<td>Types of Play</td>
<td>21st Century Skill</td>
<td>Next Generation Science Standards</td>
<td>National Science Education Standards</td>
<td>NAAEE Excellence in Environmental Education Standards</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>------------------------------------</td>
<td>--------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Hidden Treasures</td>
<td>Discover patterns in nature along with their function.</td>
<td>Observe and recreate patterns in nature.</td>
<td>- Parallel</td>
<td>- Creativity &amp; innovation</td>
<td>- Developing and using models</td>
<td>- Systems, order, and organization</td>
<td>- Collecting information</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Cooperative</td>
<td>- Critical thinking &amp; problem solving</td>
<td>- Constructing explanations and designing solutions</td>
<td>- Evidence, models, and explanation</td>
<td>- Organizing information</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Fantasy</td>
<td>- Initiative &amp; self-direction</td>
<td>- Patterns</td>
<td>- Form and function</td>
<td>- Working with models and simulations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Constructive</td>
<td></td>
<td>- Scientific Models, Laws, Mechanisms, and Theories</td>
<td>- Properties of Earth materials</td>
<td>- Developing explanations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Expressive</td>
<td></td>
<td>- Explain Natural Phenomena</td>
<td>- Distinguishing natural objects and human-made objects</td>
<td>- Living environment</td>
</tr>
<tr>
<td>Pairs Plus</td>
<td>Gain an appreciation for cooperative relationships in nature.</td>
<td>Link in pairs and large groups to mirror cooperation in nature.</td>
<td>- Cooperative</td>
<td>- Environmental literacy</td>
<td>- Science is a Way of Knowing</td>
<td>- Interdependence of science</td>
<td>- Working with models and simulations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Fantasy</td>
<td>- Critical thinking &amp; problem solving</td>
<td>- Scientific Knowledge Assumes an Order and Consistency in Natural Systems</td>
<td>- Organisms and environments</td>
<td>- Developing explanations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Competitive</td>
<td>- Communication</td>
<td>- Science Addresses Questions About the Natural and Material World</td>
<td>- Populations</td>
<td>- Living environment</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Physical</td>
<td>- Collaboration</td>
<td>- Science is a Way of Knowing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Flexibility &amp; adaptability</td>
<td>- Science Addresses Questions About the Natural and Material World</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Interdependence of science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td>Mission</td>
<td>Quest Activity Description</td>
<td>Types of Play</td>
<td>21st Century Skill</td>
<td>Next Generation Science Standards</td>
<td>National Science Education Standards</td>
<td>NAAEE Excellence in Environmental Education Standards</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------</td>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Level Up</td>
<td>Consider the effects of humans on the natural environment.</td>
<td>Pay or be paid treasures depending on your daily actions.</td>
<td>- Fantasy</td>
<td>- Global awareness</td>
<td>- Developing and using models</td>
<td>- Evidence, models, and explanation</td>
<td>- Humans and their societies</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Competitive</td>
<td>- Civic literacy</td>
<td>- Cause and Effect</td>
<td>- Constancy, change, and measurement</td>
<td>- Analyzing and investigating environmental issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Environmental literacy</td>
<td>- Energy and matter: flows, cycles, and conservation</td>
<td>- Evolution and equilibrium</td>
<td>- Decision-making for environmental issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Critical thinking &amp; problem solving</td>
<td>- Scientific Models, Laws, Mechanisms, and Theories</td>
<td>- Organisms and environments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Productivity &amp; accountability</td>
<td>Explain Natural Phenomena</td>
<td>- Types of resources</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Leadership &amp; responsibility</td>
<td>- Science is a Human Endeavor</td>
<td>- Changes in environments</td>
<td></td>
</tr>
<tr>
<td>People Power</td>
<td>Understand current global environmental challenges and work collaboratively to positively impact your natural environment.</td>
<td>Encounter and overcome scenarios illustrating human impact on nature and take action to complete a service project.</td>
<td>- Cooperative</td>
<td>- Global awareness</td>
<td>- Science Addresses Questions About the Natural and Material World</td>
<td>- Interdependence of science</td>
<td>- Working with models and simulations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Fantasy</td>
<td>- Civic literacy</td>
<td>- Science is a Human Endeavor</td>
<td></td>
<td>- Humans and their societies</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Expressive</td>
<td>- Environmental literacy</td>
<td>- Addresses Questions About the Natural and Material World</td>
<td>- Systems, order, and organization</td>
<td>- Analyzing and investigating environmental issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Creativity &amp; innovation</td>
<td>- Evidence, models, and explanation</td>
<td>- Evidence, models, and explanation</td>
<td>- Decision-making for environmental issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Critical thinking &amp; problem solving</td>
<td>- Scientific inquiry</td>
<td>- Organisms and environments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Collaboration</td>
<td>- Stability and Change</td>
<td>- Types of resources</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Productivity &amp; accountability</td>
<td>- Scientific Models, Laws, Mechanisms, and Theories</td>
<td>- Changes in environments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Leadership &amp; responsibility</td>
<td>Explain Natural Phenomena</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Science is a Human Endeavor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Addresses Questions About the Natural and Material World</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Interdependence of science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>