

# TAKE IT OUTSIDE!

## Quick Reference Activity Guide

### Third

Activity	Time	Materials	Site	Standards Connections
Environmental Sun Prints (OBIS)	40-50 min.	<p><u>For the group:</u></p> <ul style="list-style-type: none"> <li>• 3 Gallon plastic containers (wide-mouth)</li> <li>• 3 Large grocery bags</li> <li>• Coarse gravel or small rocks</li> <li>• Clear plastic wrap</li> <li>• Masking tape</li> <li>• 0.5-Liter household ammonia</li> </ul> <p><u>For each student:</u></p> <ul style="list-style-type: none"> <li>• 2 Pieces of Ozald paper in a lightproof envelope</li> <li>• 1 Paper clip</li> </ul>	An outdoor area with both sun and shade.	<p><b>NGSS</b> 3-LS1-1, 3-LS3-1, 3-LS3-2, 3-LS4-2, 3-LS4-3, 3-LS4-4</p> <p><b>NRC Framework</b> Scientific &amp; Engineering Practices: 1, 2, 3, 4, 7, 8 Crosscutting Concepts: 1, 2, 3, 5, 6 Disciplinary Core Ideas: LS1.B, LS2.D, LS3.B, LS3.A</p> <p><b>Common Core</b> ELA/Lit.: SL.3.4</p>
Gaming in the Outdoors (OBIS)	50-60 min.	<ul style="list-style-type: none"> <li>• Transparent tape</li> <li>• Thick string or yarn</li> <li>• Hunt cards</li> <li>• Plastic bags</li> <li>• Pencils or crayons</li> <li>• Scissors</li> <li>• Hand lenses</li> </ul>	An outdoor area with vegetation.	<p><b>NGSS</b> 3-LS2-1, 3-LS3-1, 3-LS3-2, 3-LS4-2, 3-LS4-3, 3-LS4-4</p> <p><b>NRC Framework</b> Scientific &amp; Engineering Practices: 3, 6, 7 Crosscutting Concepts: 1, 3 Disciplinary Core Ideas: LS2.D, LS3B, LS2.C, LS4C</p> <p><b>Common Core</b> ELA/Lit.: W.3.1, SL.3.4</p>
Metric Capers (OBIS)	50-60 min.	<ul style="list-style-type: none"> <li>• 2 Kilogram scales</li> <li>• 2 Gram scales</li> <li>• 4 Onion/mesh bags</li> <li>• 4 Plastic bags</li> <li>• 2 Meter tapes</li> <li>• 4 Rulers</li> <li>• 2 Liter containers</li> </ul>	<ul style="list-style-type: none"> <li>• 2 Buckets of water</li> <li>• 1 8-10 Liter bucket</li> <li>• 2 Thermometers</li> <li>• Flagging</li> <li>• Metric Tools cards</li> <li>• Practice/Caper Cards</li> <li>• 2 250ml Meas. cups</li> </ul>	<p>An area with natural items available for collection.</p> <p><b>NRC Framework</b> Scientific &amp; Engineering Practices: 1, 3, 4, 5, 6, 9 Crosscutting Concepts: 1, 3</p> <p><b>Common Core</b> Math: MP.2, MP.4, MP.5</p>



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Silent Stalking Game (OBIS)	30-40 min.	<ul style="list-style-type: none"> <li>• 1 OBIS Mask equipment card</li> <li>• Cotton or ear plugs</li> <li>• Masking tape</li> <li>• Wax paper</li> <li>• Elastic</li> </ul>	<ul style="list-style-type: none"> <li>• Blindfolds or masks</li> <li>• Spray misters</li> <li>• Flags</li> <li>• Rope</li> <li>• 3x5" Index cards</li> <li>• Flashlights</li> </ul>	<p>An open, level outdoor area with dry leaves, gravel, or snow that makes walking noisy.</p> <p><b>NGSS</b> 3-LS2-1, 3-LS3-1, 3-LS3-2, 3-LS4-2, 3-LS4-3, 3-LS4-4</p> <p><b>NRC Framework</b> Scientific &amp; Engineering Practices: 2, 8 Crosscutting Concepts: 2, 4, 6 Disciplinary Core Ideas: LS1.A, LS1.D, LS4.C</p> <p><b>Common Core</b> ELA/Lit.: W.3.9</p>
Water Striders (OBIS)	50-60 min.	<ul style="list-style-type: none"> <li>• Nets</li> <li>• Observation trays</li> <li>• Bug boxes or hand lenses</li> <li>• Clear plastic cups</li> <li>• Half-meter-long sticks or flags</li> <li>• Meter tapes or sticks</li> </ul>	<ul style="list-style-type: none"> <li>• Pipe cleaners</li> <li>• Acrylic paint</li> <li>• Observation Aids equipment cards</li> <li>• Sweepnet equipment cards</li> <li>• 1 Two gallon bucket per 6 students</li> </ul>	<p>A body of water with easy access to the water's edge.</p> <p><b>NGSS</b> 3-LS2-1, 3-LS3-2, 3-LS4-2, 3-LS4-3</p> <p><b>NRC Framework</b> Scientific &amp; Engineering Practices: 3, 8 Crosscutting Concepts: 1, 6 Disciplinary Core Ideas: LS1-A, LS4-C</p> <p><b>Common Core</b> ELA/Lit.: W.3.9 Math: MP.2, MP.4, 3.MD.B.4</p>
Web It! (OBIS)	40-60 min.	<ul style="list-style-type: none"> <li>• Spray misters</li> <li>• Sweepnets</li> <li>• Flagging</li> <li>• Masking tape</li> <li>• Plastic bags</li> </ul>	<ul style="list-style-type: none"> <li>• Tweezers</li> <li>• Broom straws</li> <li>• Hand lenses</li> <li>• Equipment cards</li> </ul>	<p>An area where webs are present.</p> <p><b>NGSS</b> 3-LS1-1, 3-LS3-1, 3-LS3-2, 3-LS4-2, 3-LS4-3, 3-LS4-4</p> <p><b>NRC Framework</b> Scientific &amp; Engineering Practices: 1, 3, 8 Crosscutting Concepts: 1, 6 Disciplinary Core Ideas: LS1-A</p> <p><b>Common Core</b> ELA/Lit.: W.3.9</p>
What is a Seed?	30-60 min.	<ul style="list-style-type: none"> <li>• Seed Journal Sheets</li> <li>• White Socks (1 pair per student group)</li> </ul>	<ul style="list-style-type: none"> <li>• Hand Lenses</li> </ul>	<p>Any outdoor location where seeds are present.</p> <p><b>NGSS</b> 3-LS3-1, 3-LS3-2</p> <p><b>NRC Framework</b> Scientific &amp; Engineering Practices: 4, 6 Crosscutting Concepts: 1, 2 Disciplinary Core Ideas: LS3-A, LS3-B</p> <p><b>Common Core</b> Math: MP.2, MP.4</p>

