**Science/Literacy Learning Week Example**  Topic: Ecosystem

**Big Question:** How and why do ecosystems vary?

**Vocabulary:** climate, food web, animals, vegetation, balance, ecology

**NGSS Cross-Cutting Concept:** __cause-effect; __structure and function; _X_ systems; __stability and change;

**NGSS Science Practice:** __investigate __analyze/interpret data X collect, communicate information __

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This week’s READING: chapter in science book; Internet-based ecosystem profiles from Smithsonian

Read closely, answer questions with **EVIDENCE (CCSR1); Summarize, identify central idea, supporting ideas (CCSSR2); Use structure of text to identify ideas, locate information (CCSSR5); Integrate information, ideas from different sources (CCSSR7)**

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This week’s DEMONSTRATION OR EXPERIMENT: Walk around block, observe then classify parts of immediate ecosystem

<table>
<thead>
<tr>
<th>PREVIEW, Model, Interest</th>
<th>Model and Guide</th>
<th>Guide and Go Farther</th>
<th>Assess, Clarify, Advance</th>
<th>Fix, Expand, Finish Well</th>
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</thead>
<tbody>
<tr>
<td><strong>EXPLORE</strong></td>
<td><strong>EXPERIMENT</strong></td>
<td><strong>EXAMINE</strong></td>
<td><strong>EXPLAIN</strong></td>
<td><strong>EXPAND</strong></td>
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<tr>
<td><strong>I do:</strong> How and why do ecosystem vary?</td>
<td><strong>We do:</strong> List current answers. Read aloud and students identify key facts. <strong>Ask the BIG question.</strong></td>
<td><strong>You do:</strong> Start glossary—write and draw pictures to show word meaning.</td>
<td><strong>YOU DO:</strong> List information to construct response—<strong>How and why are ecosystems different?</strong></td>
<td><strong>I do/We do:</strong> For students needing added guidance: List facts about ecosystem from the reading; Then sort them and identify differences and infer why they are different.</td>
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<td><strong>We do:</strong> Predict what kinds of features we’ll find in our ecosystem. Walk around block, observe then list features of immediate ecosystem. Classify facts.</td>
<td><strong>You do:</strong> Read more and add facts to list about different ecosystems. Add words to glossary.</td>
<td><strong>Check for understanding:</strong> Explaination of diagram</td>
<td><strong>We do:</strong> Start to outline booklets (to complete tomorrow)</td>
<td><strong>You do:</strong> Exceed students make ecosystem book with illustrations and glossary and diagram Synthesis: What have we learned about ecosystems and about how to learn by reading?</td>
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</tbody>
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Differentiate to make the difference!  
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