



**Enviro-Tacklebox™ Teacher Area**

**Enviro-Tacklebox™ Louisiana Benchmarks**

**Module 5: Environmental Cycles and Processes**

**Carbon: The Element of Surprise**

**Lesson 1 Activity: Carbon Dioxide Heats It Up**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A5 SI-M-A7 SI-M-A8 SE-M-A7 <b>9-12</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A7 ESS-H-B1 LS-H-D1 LS-H-D2	<b>5-8</b> N-7-M D-2-M <b>9-12</b> N-5-H D-7-H	<b>K-12</b> 1,3,4, 6	<b>5-8</b> ELA-2-M6 ELA-5-M2 <b>9-12</b> ELA-5-H2	<b>5-8</b> G-1D-M1 <b>9-12</b> G-1D-H1

**Lesson 2 Activity: Cycling Carbon in Your Neighborhood**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A5 SI-M-A7 SI-M-A8 SE-M-A7 LS-M-C2 <b>9-12</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4	<b>5-8</b> N-7-M D-2-M M-1-M <b>9-12</b> N-5-H D-7-H M-1-H	<b>K-12</b> 1, 3, 4, 6	<b>5-8</b> ELA-2-M6 ELA-4-M6 <b>9-12</b> ELA-2-H4 ELA-4-H6	

SI-M-A7 ESS-H-B1 LS-H-D1 LS-H-D2				
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**Module 5: Environmental Cycles and Processes**

**The Aggravation of Accumulation**

**Lesson 1 Activity: How Does Your Garden Grow?**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A7 SI-M-A8 SE-M-A3 <b>9-12</b> SI-H-A1 SI-H-A7 SI-H-A8 SE-H-A11	<b>5-8</b> M-1-M <b>9-12</b> M-1-H	<b>K-12</b> 4, 6	<b>5-8</b> ELA-2-M6 <b>9-12</b> ELA-2-H6	

**Lesson 2 Activity: Pesticides in Schools**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SE-M-A3 SE-M-A4 <b>9-12</b> SI-H-A1 SE-H-A11 SE-H-C4 SE-H-D1 SE-H-D2 SE-H-D6		<b>K-12</b> 3, 4, 6	<b>5-8</b> ELA-2-M6 ELA-4-M3 ELA-4-M4 ELA-5-M3 <b>9-12</b> ELA-2-H6 ELA-4-H3 ELA-4-H4 ELA-5-H3	

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**Module 5: Environmental Cycles and Processes**

**Behind the Numbers**

**Lesson 1 Activity: Surveying an Environmental Ecosystem**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A5 SI-M-A7 SI-M-A8 LS-M-C3 LS-M-C4 SE-M-A2 <b>9-12</b> SI-H-A1 SI-H-A2 SI-H-A3 SI-H-A4 SI-H-A7 LS-H-D3 SE-H-A3 SE-H-A10	<b>5-8</b> D-2-M <b>9-12</b> D-7-H		<b>5-8</b> ELA-4-M4 <b>9-12</b> ELA-4-H4	

**Lesson 2 Activity: Ecosystem Interactions Web**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 LS-M-C3 LS-M-C4 SE-M-A1 SE-M-A2 SE-M-A5 <b>9-12</b> SI-H-A1 LS-H-D3 SE-H-A2 SE-H-A3			<b>5-8</b> ELA-4-M4 ELA-5-M6 <b>9-12</b> ELA-4-H4 ELA-5-H6	



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## Enviro-Tacklebox™ Louisiana Benchmarks

### Module 5: Environmental Cycles and Processes

### Hypoxia: The O<sub>2</sub> Blues

#### Lesson 1 Activity: Your Blooming Pond

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A5 SI-M-A7 SI-M-A8 SE-M-A3 <b>9-12</b> SI-H-A1 SI-H-A2 SI-H-A3 SI-H-A4 SI-H-A7 SE-H-A11	<b>5-8</b> D-2-M <b>9-12</b> D-7-H	<b>K-12</b> 3, 6	<b>5-8</b> ELA-2-M6 <b>9-12</b> ELA-2-H6	<b>5-8</b> G-1D-M1 <b>9-12</b> G-1D-H1

#### Lesson 2 Activity: Water Density Boundaries

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A5 SI-M-A7 SI-M-A8 <b>9-12</b> SI-H-A1 SI-H-A2 SI-H-A3 SI-H-A4 SI-H-A7	<b>5-8</b> D-2-M <b>9-12</b> D-7-H	<b>K-12</b> 3, 6	<b>5-8</b> ELA-2-M6 <b>9-12</b> ELA-2-H6	



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**Module 5: Environmental Cycles and Processes**

**Rotten But Not Forgotten**

**Lesson 1 Activity: Decomposers at Work! It s a Happenin Thing!**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A5 SI-M-A7 SI-M-A8 SE-M-A3 SE-M-A5 <b>9-12</b> SI-H-A1 SI-H-A2 SI-H-A3 SI-H-A4 SI-H-A7 SE-H-A2 SE-H-A7	<b>5-8</b> D-2-M <b>9-12</b> D-7-H	<b>K-12</b> 3, 6	<b>5-8</b> ELA-2-M6 ELA- 4-M6 ELA-5-M6 <b>9-12</b> ELA-2-H6 ELA-4-H6 ELA-5-H6	

**Lesson 2 Activity: Bioremediation**

Science	Mathematics	Educational Technology	English Language Arts	Social Studies
<b>5-8</b> SI-M-A1 SI-M-A2 SI-M-A3 SI-M-A4 SI-M-A5 SI-M-A7 SI-M-A8 SE-M-A3 <b>9-12</b> SI-H-A1 SI-H-A2 SI-H-A3	<b>5-8</b> D-2-M <b>9-12</b> D-7-H	<b>K-12</b> 3, 6	<b>5-8</b> ELA-2-M6 ELA- 4-M6 <b>9-12</b> ELA-2-H6 ELA-4-H6	

SI-H-A4 SI-H-A7 SE-H-A11				
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