

First Grade Science Curriculum Map With Learning Targets Attached

Grade Level: First Grade		School: Brookfield Elementary
Subject: Science		Date: July 2012
<p style="text-align: center; font-size: 2em; font-weight: bold;">SEPTEMBER</p>		<p>Science Inquiry and Application <i>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</i></p> <ul style="list-style-type: none"> • <i>Observe and ask questions about the natural environment;</i> • <i>Plan and conduct simple investigations;</i> • <i>Employ simple equipment and tools to gather data and extend the senses;</i> • <i>Use appropriate mathematics with data to construct reasonable explanations;</i> • <i>Communicate about observations, investigations and explanations; and</i> • <i>Review and ask questions about the observations and explanations of others.</i>
Content Standards	Resources	Assessments
<p>Life Science (LS) Basic Needs of Living Things Living things have basic needs, which are met by obtaining materials from the physical environment. Living things require energy, water and a particular range of temperatures in their environments.</p>	Evan-Moor <i>Daily Science</i> Unit 1 Various other Evan-Moor Science books <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science Trade books	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments First Grade Assessment Packet (collaboratively produced by grade level team)
<p>Life Science (LS) Basic Needs of Living Things Living things have basic needs, which are met by obtaining materials from the physical environment. Living things acquire resources from the living and nonliving components of the environment.</p>	Evan-Moor <i>Daily Science</i> Unit 1 Various other Evan-Moor Science books <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science Trade books	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments First Grade Assessment Packet (collaboratively produced by grade level team)
<p>Life Science (LS) Basic Needs of Living Things Living things survive only in environments that meet their needs. Resources are necessary to meet the needs of an individual and populations of individuals.</p>	Evan-Moor <i>Daily Science</i> Unit 1 Various other Evan-Moor Science books <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science Trade books	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments First Grade Assessment Packet (collaboratively produced by grade level team)
<p>Life Science (LS) Basic Needs of Living Things Living things have basic needs, which are met</p>	Evan-Moor <i>Daily Science</i> Unit 1 Various other Evan-Moor Science books <i>Scholastic News</i>	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments

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by obtaining materials from the physical environment. Plants get energy from sunlight. Animals get energy from plants and other animals.	Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science Trade books	First Grade Assessment Packet (collaboratively produced by grade level team)
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<p style="text-align: center; font-size: 2em; font-weight: bold;">OCTOBER</p>			<p>Science Inquiry and Application <i>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</i></p> <ul style="list-style-type: none"> • <i>Observe and ask questions about the natural environment;</i> • <i>Plan and conduct simple investigations;</i> • <i>Employ simple equipment and tools to gather data and extend the senses;</i> • <i>Use appropriate mathematics with data to construct reasonable explanations;</i> • <i>Communicate about observations, investigations and explanations; and</i> • <i>Review and ask questions about the observations and explanations of others.</i>
Content Standards	Resources	Assessments	
<p>Life Science (LS) Basic Needs of Living Things Living things survive only in environments that meet their needs. Living things interact with their physical environments as they meet those needs.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 1 Various other Evan-Moor Science books <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science Trade books</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments First Grade Assessment Packet (collaboratively produced by grade level team)</p>	
<p>Life Science (LS) Basic Needs of Living Things Living things survive only in environments that meet their needs. Effects of seasonal changes within the local environment directly impact the availability of resources.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 1 Various other Evan-Moor Science books <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science Trade books</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments First Grade Assessment Packet (collaboratively produced by grade level team)</p>	
<p>Earth and Space Science (ESS) Sun, Energy and Weather The sun is the principal source of energy. Sunlight warms Earth's land, air and water.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 3 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	
<p>Earth and Space Science (ESS) Sun, Energy and Weather</p>	<p>Evan-Moor <i>Daily Science</i> Unit 3</p>	<p>Weekly assessments from</p>	

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<p>The sun is the principal source of energy. The amount of exposure to sunlight affects the amount of warming or cooling of air, water and land.</p>	<p>Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>
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<div>NOVEMBER</div>			Science Inquiry and Application <i>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</i> <ul style="list-style-type: none"> • <i>Observe and ask questions about the natural environment;</i> • <i>Plan and conduct simple investigations;</i> • <i>Employ simple equipment and tools to gather data and extend the senses;</i> • <i>Use appropriate mathematics with data to construct reasonable explanations;</i> • <i>Communicate about observations, investigations and explanations; and</i> • <i>Review and ask questions about the observations and explanations of others.</i>
Content Standards	Resources	Assessments	
Life Science (LS) Basic Needs of Living Things Living things have basic needs, which are met by obtaining materials from the physical environment. Plants get energy from sunlight. Animals get energy from plants and other animals.	Evan-Moor <i>Daily Science</i> Unit 3 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)	
Earth and Space Science (ESS) Sun, Energy and Weather The physical properties of water can change. These changes occur due to changing energy.	Evan-Moor <i>Daily Science</i> Unit 3 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)	

<div>DECEMBER</div>			<p>Science Inquiry and Application <i>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</i></p> <ul style="list-style-type: none"> • <i>Observe and ask questions about the natural environment;</i> • <i>Plan and conduct simple investigations;</i> • <i>Employ simple equipment and tools to gather data and extend the senses;</i> • <i>Use appropriate mathematics with data to construct reasonable explanations;</i> • <i>Communicate about observations, investigations and explanations; and</i> • <i>Review and ask questions about the observations and explanations of others.</i>
Content Standards	Resources	Assessments	
<p>Life Science (LS) Basic Needs of Living Things Living things survive only in environments that meet their needs. Effects of seasonal changes within the local environment directly impact the availability of resources.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 4 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	
<p>Earth and Space Science (ESS) Sun, Energy and Weather The sun is the principal source of energy. Sunlight warms Earth's land, air and water.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 4 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	

<p style="text-align: center; font-size: 2em; font-weight: bold;">JANUARY</p>			<p>Science Inquiry and Application <i>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</i></p> <ul style="list-style-type: none"> • <i>Observe and ask questions about the natural environment;</i> • <i>Plan and conduct simple investigations;</i> • <i>Employ simple equipment and tools to gather data and extend the senses;</i> • <i>Use appropriate mathematics with data to construct reasonable explanations;</i> • <i>Communicate about observations, investigations and explanations; and</i> • <i>Review and ask questions about the observations and explanations of others</i>
Content Standards	Resources	Assessments	
<p>Life Science (LS) Basic Needs of Living Things Living things have basic needs, which are met by obtaining materials from the physical environment. Living things require energy, water and a particular range of temperatures in their environments.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 4 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	
<p>Earth and Space Science (ESS) Sun, Energy and Weather The sun is the principal source of energy. Sunlight warms Earth's land, air and water.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 4 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	
<p>Earth and Space Science (ESS) Sun, Energy and Weather The sun is the principal source of energy. The amount of exposure to sunlight affects the amount of warming or cooling of air, water and land.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 4 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	

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Earth and Space Science (ESS) Sun, Energy and Weather The physical properties of water can change. Weather observations can be used to examine the property changes of water.	Evan-Moor <i>Daily Science</i> Unit 4 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)
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<p style="text-align: center; font-size: 2em; font-weight: bold;">FEBRUARY</p>			<p>Science Inquiry and Application <i>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</i></p> <ul style="list-style-type: none"> • <i>Observe and ask questions about the natural environment;</i> • <i>Plan and conduct simple investigations;</i> • <i>Employ simple equipment and tools to gather data and extend the senses;</i> • <i>Use appropriate mathematics with data to construct reasonable explanations;</i> • <i>Communicate about observations, investigations and explanations; and</i> • <i>Review and ask questions about the observations and explanations of others</i>
Content Standards	Resources	Assessments	
<p>Earth and Space Science (ESS) Sun, Energy and Weather The physical properties of water can change. These changes occur due to changing energy.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 5 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	
<p>Earth and Space Science (ESS) Sun, Energy and Weather The physical properties of water can change. Water can change from a liquid to a solid and from a solid to a liquid.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 5 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	
<p>Physical Science (PS) Motion and Materials Properties of objects and materials can change. Objects and materials change when exposed to various conditions, such as heating or freezing. Not all materials change in the same way.</p>	<p>Evan-Moor <i>Daily Science</i> Unit 5 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science</p>	<p>Weekly assessments from Evan-Moor <i>Daily Science</i></p> <p>Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)</p>	

<div>MARCH</div>		<div>Science Inquiry and Application</div> <div>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</div> <div><ul style="list-style-type: none">• Observe and ask questions about the natural environment;• Plan and conduct simple investigations;• Employ simple equipment and tools to gather data and extend the senses;• Use appropriate mathematics with data to construct reasonable explanations;• Communicate about observations, investigations and explanations; and• Review and ask questions about the observations and explanations of others</div>
Content Standards	Resources	Assessments
<div>Physical Science (PS)</div> <div>Motion and Materials.</div> <div>Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth.</div> <div>The position of an object can be described by locating it relative to another object or to the object’s surroundings.</div>	<div>Evan-Moor <i>Daily Science</i> Unit 6</div> <div>Various other Evan-Moor Science books</div> <div><i>Weekly Reader</i></div> <div><i>Scholastic News</i></div> <div>Magic Schoolbus videos</div> <div>Model Curriculum from Ohio State Standards for Science</div>	<div>Weekly assessments from</div> <div>Evan-Moor <i>Daily Science</i></div> <div>Observations, oral assessments</div> <div>Teacher created (collaboratively produced by grade level team)</div>
<div>Physical Science (PS)</div> <div>Motion and Materials</div> <div>Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth.</div> <div>An object is in motion when its position is changing.</div>	<div>Evan-Moor <i>Daily Science</i> Unit 6</div> <div>Various other Evan-Moor Science books</div> <div><i>Weekly Reader</i></div> <div><i>Scholastic News</i></div> <div>Magic Schoolbus videos</div> <div>Model Curriculum from Ohio State Standards for Science</div>	<div>Weekly assessments from</div> <div>Evan-Moor <i>Daily Science</i></div> <div>Observations, oral assessments</div> <div>Teacher created (collaboratively produced by grade level team)</div>
<div>Physical Science (PS)</div> <div>Motion and Materials</div> <div>Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth.</div> <div>The motion of an object can be affected by pushing or pulling. A push or pull is a force that can make an object move faster, slower or go in a different direction.</div>	<div>Evan-Moor <i>Daily Science</i> Unit 6</div> <div>Various other Evan-Moor Science books</div> <div><i>Weekly Reader</i></div> <div><i>Scholastic News</i></div> <div>Magic Schoolbus videos</div> <div>Model Curriculum from Ohio State Standards for Science</div>	<div>Weekly assessments from</div> <div>Evan-Moor <i>Daily Science</i></div> <div>Observations, oral assessments</div> <div>Surveys, checklists, written assessments</div> <div>Teacher created (collaboratively produced by grade level team)</div>

APRIL

Science Inquiry and Application

During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:

- *Observe and ask questions about the natural environment;*
- *Plan and conduct simple investigations;*
- *Employ simple equipment and tools to gather data and extend the senses;*
- *Use appropriate mathematics with data to construct reasonable explanations;*
- *Communicate about observations, investigations and explanations; and*
- *Review and ask questions about the observations and explanations of others*

Content Standards	Resources	Assessments
Physical Science (PS) Motion and Materials Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth. The motion of an object can be affected by pushing or pulling. A push or pull is a force that can make an object move faster, slower or go in a different direction.	Evan-Moor <i>Daily Science</i> Unit 6 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)
Life Science (LS) Basic Needs of Living Things Living things have basic needs, which are met by obtaining materials from the physical environment. Plants get energy from sunlight. Animals get energy from plants and other animals.	Evan-Moor <i>Daily Science</i> Unit 2 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)
Life Science (LS) Basic Needs of Living Things Living things survive only in environments that meet their needs. Resources are necessary to meet the needs of an individual and populations of individuals.	Evan-Moor <i>Daily Science</i> Unit 2 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)

MAY		Science Inquiry and Application <i>During the years of PreK-4, all students must become proficient in the use of the following scientific processes, with appropriate laboratory safety techniques, to construct their knowledge and understanding in all science content areas:</i> <ul style="list-style-type: none">• <i>Observe and ask questions about the natural environment;</i>• <i>Plan and conduct simple investigations;</i>• <i>Employ simple equipment and tools to gather data and extend the senses;</i>• <i>Use appropriate mathematics with data to construct reasonable explanations;</i>• <i>Communicate about observations, investigations and explanations; and</i>• <i>Review and ask questions about the observations and explanations of others</i>
Content Standards	Resources	Assessments
Life Science (LS) Basic Needs of Living Things Living things survive only in environments that meet their needs. Resources are necessary to meet the needs of an individual and populations of individuals.	Evan-Moor <i>Daily Science</i> Unit 2 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)
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Life Science (LS) Basic Needs of Living Things Living things survive only in environments that meet their needs. Effects of seasonal changes within the local environment directly impact the availability of resources.	Evan-Moor <i>Daily Science</i> Unit 2 Various other Evan-Moor Science books <i>Weekly Reader</i> <i>Scholastic News</i> Magic Schoolbus videos Model Curriculum from Ohio State Standards for Science	Weekly assessments from Evan-Moor <i>Daily Science</i> Observations, oral assessments Surveys, checklists, written assessments Teacher created (collaboratively produced by grade level team)

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