

CURRICULUM MAP

Mapping the Big Picture

Teacher:

Subject: Science

Grade: First

revised 3/10

Month <small>(one template/month)</small>	Topic—Unit	Essential Questions/Skills <small>(elementary: 2-3 questions/unit; middle school: 4-5 questions/unit) What do you want your students to learn and remember a year from now? (What skills students will have after instruction)</small>	Resources	Assessment/Activity <small>Student tasks, products, performances, and other evidence of learning)</small>	MLR <small>(content standard and indicator connection)</small>
September	Temperature	<ol style="list-style-type: none"> 1. What is temperature? 2. What changes temperature? 3. Compare temperatures of different regions? 4. What are ways to measure temperature? 5. Why is it important to know the temperature? 	<p><u>What your First Grader Needs to Know</u> by E.D. Hirsch, Jr.</p> <p>Everyday Math Text (pg. 298)</p>	<p><u>Define temperature and changes</u></p>	
October	Matter	<ol style="list-style-type: none"> 1. What are the units of measurement? 2. What does all matter contain (atoms)? 3. How can matter change from one state to another? <ul style="list-style-type: none"> • Solid, liquid & gas 	<p>Books from Non-Fiction Section in the Book Room</p>	<p><u>Measuring activities</u></p> <p><u>Experiments with matter stages</u></p>	D3 a,b

<p>October</p>	<p>Human Body Skeletal Muscular Circulatory Digestive Nervous System</p>	<ol style="list-style-type: none"> 1. What are the functions of the 5 major human body systems? <ul style="list-style-type: none"> • Skeletal System • Muscular System • Circulatory System • Digestive System • Nervous System 2. What would happen if one of the systems were not working? 3. What are the 5 senses? <ul style="list-style-type: none"> • The students will know that the five senses are sight, hearing, smell, taste, and touch. • Students will be able to determine which sense they are using when placed in different settings. 	<p><u>What your First Grader Needs to Know</u> by E.D. Hirsch, Jr.</p> <p>Reading a-z.com subscription</p> <p>The Great Body Shop</p> <p>Books from Non-Fiction Section in the Book Room</p>		<p>A2 a,b</p>
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<p>Nov/Dec.</p>	<p>Habitats</p>	<p>1. What is a habitat?</p> <ul style="list-style-type: none"> Students will know the following habitats and be able to name animals that live in them: Forest, Underground, Desert, Water 	<p>Books from Non-Fiction Section in the Book Room</p>	<p><u>Picture books displaying various habitats</u></p>	<p>E5a E1 a,b,c E2 a,b E3 b,c</p>
<p>January</p>	<p>Food Chain Animals Plants</p>	<p>1. What are living/non-living things? 2. What is a food chain? 3. How do plants/animals get food?</p>	<p><u>What your First Grader Needs to Know</u> by E.D. Hirsch, Jr. Science Posters</p>	<p><u>Give simple explanation of how a food chain works within a habitat studied.</u></p>	
<p>February</p>	<p>Oceans</p>	<p>1. What is an ocean? <ul style="list-style-type: none"> Students will name the 4 major ocean bodies. 2. How do you protect oceans and ocean life? 3. What animals live in the ocean? 4. What is a tide?</p>			<p>D3 a,b</p>
	<p>Dinosaurs</p>	<p>1. What is a paleontologist? 2. Do dinosaurs still live? 3. What may have led to their extinction? 4. How do scientist study & learn about dinosaurs? 5. What living animals are similar to dinosaurs?</p>	<p>Books from Non-Fiction Section in the Book Room</p>		

<p>May/June</p>		<ol style="list-style-type: none"> 1. What is electricity? <ul style="list-style-type: none"> • Students will understand why electricity is important and how they use it. • Students will know how it gets to their house. • Students will have an understanding of how life would be different without electricity. 2. What are the dangers of electricity? <ul style="list-style-type: none"> • Students will know safety rules 3. What are good conductors of electricity? 	<p><u>What your First Grader Needs to Know</u> by E.D. Hirsch, Jr.</p> <p>Science Kit</p>		
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Science Biographies: Edward Jenner Louis Pasteur Thomas Edison Rachel Carson