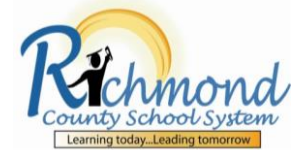


Spiral Review: Students should engage daily in the [Science and Engineering Practices](#) -the Science and Engineering Practices are designed to develop students' deeper understanding of science by engaging in the actual work of science and engineering **and** identify the [Crosscutting Concepts](#) - bridge disciplinary boundaries, uniting core ideas throughout the fields of science and engineering.



2020-2021 [Second Grade](#) Curriculum Map

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First Semester

1st Nine Weeks

Unit 0 Think Like a Scientist	Unit 1 Matter	Buffer
Scientific Inquiry Lab Safety	Priority Standard S2P1c Supporting Standards S2P1a S2P1b	Priority Standard S2P1c
9 days	4.5 weeks (21 days)	3 days
<p style="text-align: center;">Big Ideas</p> <ul style="list-style-type: none"> • Science and Engineering Practices-skills necessary for students to think, act and communicate ideas like a scientist/engineer • Cross Cutting Concepts-helps students make connections across the differing areas of disciplinary content • Proper lab safety procedures 	<p style="text-align: center;">Big Ideas</p> <ul style="list-style-type: none"> • Structure and properties of matter • Heating or cooling can change the properties of matter <p style="text-align: center;">Science and Engineering Practices</p> <ul style="list-style-type: none"> • Obtaining, evaluating and communicating information • Construct explanations and designing solutions • Planning and carrying out investigations • Asking questions and defining problems <p style="text-align: center;">Crosscutting Concepts</p> <ul style="list-style-type: none"> • Matter and Energy • Stability and Change 	<p>Assessment Remediation Enrichment</p>

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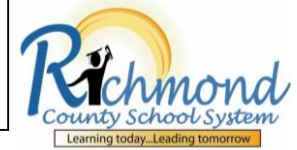
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First Semester

2nd Nine Weeks

Pre-Unit 2 Review Buffer	Unit 2 Force and Motion	Buffer
<p>Prerequisite Standards SKP2a SKP2b</p>	<p>Priority Standards S2P2b S2P2c</p> <p>Supporting Standard S2P2a</p>	<p>Priority Standard S2P2b S2P2c</p>
3 days	5.5 weeks (26 days)	3 days
<p>Big Ideas</p> <ul style="list-style-type: none"> Types of motion 	<p>Big Ideas</p> <ul style="list-style-type: none"> Forces and Motion Pushes and pulls/Energy transfer Size of objects impacts force and motion <p>Science and Engineering Practices</p> <ul style="list-style-type: none"> Obtaining, evaluating and communicating information Construct explanations and designing solutions Asking questions and defining problems Developing and using models Analyze and interpreting data <p>Crosscutting Concepts</p> <ul style="list-style-type: none"> Structure and Function Cause and Effect Scale, Proportion, and Quantity 	<p>Assessment Remediation Enrichment</p>

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2020-2021 [Second Grade](#) Curriculum Map

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Second Semester

3rd Nine Weeks

Pre-Unit 3A Review Buffer	Unit 3A Astronomy: Day and Night Sky	Buffer	Pre-Unit 3B Review Buffer	Unit 3B Astronomy: Stars
Prerequisite Standards SKE1a SKE1b	Priority Standards S2E2a S2E2b S2E2d Supporting Standard S2E2c	Priority Standards S2E2a S2E2b S2E2d	Prerequisite Standards SKE1a SKE1b	Priority Standard S2E1b Supporting Standard S2E1a
3 days	3 weeks (15 days)	3 days	3 days	3.5 weeks (18 days)
Big Ideas <ul style="list-style-type: none"> Day sky Night sky 	Big Ideas <ul style="list-style-type: none"> Sounds can make matter vibrate and vibrating mater can make sound Light is needed to see Sources of light Light and sound are used to communicate Science and Engineering Practices <ul style="list-style-type: none"> Obtaining, evaluating and communicating information Construct explanations and designing solutions Planning and carrying out investigations Asking questions and defining problems Developing and using models Crosscutting Concepts <ul style="list-style-type: none"> Patterns Cause and Effect Scale, Proportion, and Quantity 	Assessment Remediation Enrichment	Big Ideas <ul style="list-style-type: none"> Day sky Night sky 	<ul style="list-style-type: none"> Patterns of sun, moon, and stars apparent motion in the day and night sky Science and Engineering Practices <ul style="list-style-type: none"> Obtaining, evaluating and communicating information Construct explanations and designing solutions Planning and carrying out investigations Asking questions and defining problems Developing and using models Crosscutting Concepts <ul style="list-style-type: none"> Patterns Cause and Effect Scale, Proportion, and Quantity

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2020-2021 Second Grade Curriculum Map

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Second Semester

4th Nine Weeks

Buffer	Pre-Unit 4 Review Buffer	Unit 4 <u>Need of Living Things</u> (Plants and Animals)	Buffer
Priority Standard S2E1b	Prerequisite Standards SKL2a SKL2b S1L1b	Priority Standards S2L1b S2L1d S2E3b Supporting Standards S2L1a S2L1c S2E3a	Priority Standards S2L1b S2L1d S2E3b
3 days	3 days	7.5 weeks (39 days)	3 days
Assessment Remediation Enrichment	Big Ideas <ul style="list-style-type: none"> • Day sky • Night sky 	Big Ideas <ul style="list-style-type: none"> • Plants and the function of their structures • Life cycles of plants and animals • Changes in habitat and its effects on plants and animals • Human can impact the environment <p style="text-align: center;">Science and Engineering Practices</p> <ul style="list-style-type: none"> • Obtaining, evaluating and communicating information • Construct explanations and designing solutions • Planning and carrying out investigations • Asking questions and defining problems <p style="text-align: center;">Crosscutting Concepts</p> <ul style="list-style-type: none"> • Patterns • Stability and Change • Cause and effect 	Assessment Remediation Enrichment