

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 [First Grade](#) Curriculum Map

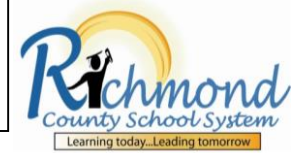
The suggested instructional pacing schedule is approximate and can be adjusted; however, the sequence of instruction should not be altered. Teachers should adhere to the guide as closely as possible. **Note: The Review Unit and Pre-Unit Review Buffers have been included to provide additional learning supports.**

First Semester

1st Nine Weeks

Unit 0 Think Like a Scientist	Unit 1 Weather	Buffer
Scientific Inquiry Lab Safety	Priority Standards S1E1a S1E1c S1E1d Supporting Standard S1E1b	Priority Standards S1E1a S1E1c S1E1d
9 days	4.5 weeks (21 days)	3 days
Big Ideas <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 	Core Ideas <ul style="list-style-type: none"> • Weather and climate • Roles of water in Earth's surface processes 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 • System and systems model 	Assessment Remediation Enrichment

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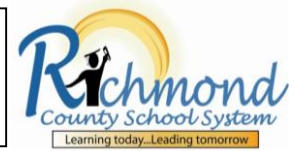
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First Semester

2nd Nine Weeks

Pre-Unit 2 Review Buffer	Unit 2 Needs of Living Things (Plants and Animals)	Buffer
Prerequisite Standards SKL1a SKL2a SKL2b	Priority Standards S1L1b S1L1c Supporting Standard S1L1a	Priority Standards S1L1b S1L1c
3 days	5.5 weeks (26 days)	3 days
<p style="text-align: center;">Core Ideas</p> <ul style="list-style-type: none"> • Organisms vs non-living objects • Similarities and differences in groups of organisms 	<p style="text-align: center;">Core Ideas</p> <ul style="list-style-type: none"> • Plants/Animals grow and change • Basic needs of plants and animals • Cycles of matter and energy transfer in ecosystems <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 • Asking questions and defining problems • Developing and using models <p style="text-align: center;">Crosscutting Concepts</p> <ul style="list-style-type: none"> • Patterns • Cause and Effect • System and systems model 	<p>Assessment Remediation Enrichment</p>

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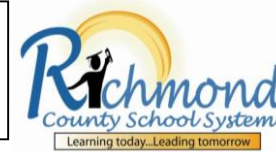
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Second Semester

3rd Nine Weeks

Pre-Unit 3 Review Buffer	Unit 3 Light and Sound	Buffer
Spiral Review	<b style="color: #27ae60;">Priority Standards S1P1c S1P1d <b style="color: #2980b9;">Supporting Standards S1P1a S1P1b S1P1e	<b style="color: #27ae60;">Priority Standards S1P1c S1P1d
3 days	7.5 weeks (39 days)	3 days
Core Ideas <ul style="list-style-type: none"> Weather Needs of plants and animals 	Core Ideas <ul style="list-style-type: none"> Sounds can make matter vibrate and vibrating matter 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 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 Energy and Matter 	Assessment Remediation Enrichment

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Second Semester

4th Nine Weeks

Pre-Unit 4 Review Buffer	Unit 4 Magnets	Buffer
Prerequisite Standards SKP2a SKP2b	Priority Standard S1P2b Supporting Standard S1P2a	Priority Standard S1P2b
3 days	7.5 weeks (39 days)	3 days
Core Ideas <ul style="list-style-type: none"> Compare and describe different types of motion 	Core Ideas <ul style="list-style-type: none"> When objects touch or collide, they push on one another and can change motion or shape 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 Energy and Matter 	Assessment Remediation Enrichment

