Symbol Kev

♦ Split: This Standard of Learning has been <i>split</i> into more than one nine-week block.	☐ Incorporate: <i>Incorporate</i> this skill into the daily routine.
© Integrate: This skill should NOT be taught in isolation. <i>Integrate</i> the skill into daily	® Review: This skill was taught for mastery in a previous nine-week block. Continue to
lessons.	<i>review</i> this mastered skill, with heavy emphasis, in the listed nine-week block.

Week 5

Week 6

Week 7

Week 8

Week 9

First Nine Weeks – Begin science by introducing an understanding of scientific investigations and then embed with each unit

Week 4

Week 3

Unit 1 How Scientists Work 1.1 The student will demonstrate an understanding of scientific and 1.1 The student will engineering practices by demonstrate an 1.1 The student will demonstrate an understanding of scientific understanding of **Unit 2 Technology All Around Us** and engineering practices by scientific and asking questions and defining problems a) engineering practices by 1.1 The student will demonstrate an understanding of scientific ask questions and make predictions based on observations and engineering practices by identify a simple problem that can be solved through the 1.7 Earth Patterns. development of a new tool or improved object Cycles, and Changes *Continue as needed with scientific and engineering planning and carrying out investigations (Autumn/Fall) b) practices embedded in Unit 2 with guidance, conduct investigations to produce data The student will identify characteristics and properties of objects by investigate and observations understand that use tools to measure relative length, weight, volume, and there are weather temperature of common objects and seasonal interpreting, analyzing, and evaluating data c) changes. Key ideas use and share pictures, drawings, and/or writings of include observations changes in a) describe patterns and relationships

picture graphs, and object graphs read and interpret data displayed in tables, picture graphs, and object graphs, using the vocabulary more, less, fewer, greater than, less than, and equal to constructing and critiquing conclusions and explanations d)

classify and arrange objects based on a single physical

organize and represent various forms of data using tables,

Week 2

- make simple conclusions based on data or observations
- recognize unusual or unexpected results
- developing and using models e)

characteristic or property

Week 1

- use physical models to demonstrate simple phenomena and natural processes
- obtaining, evaluating, and communicating information

- temperature, light, and precipitation occur over time;
- b) there are relationships between daily weather and the season; and
- c) changes in temperature, light, and precipitation affect plants and animals, including humans.

communicate observations and data using simple graphs, pictures, drawings, numbers, speech and/or writing		
Interactive Reading & Note Taking Framework p. Scope & Sequence p.	Interactive Reading & Note Taking Framework pp. Scope & Sequence pp.	

Symbol Key

♦ Split: This Standard of Learning has been <i>split</i> into more than one nine-week block.	☐ Incorporate: <i>Incorporate</i> this skill into the daily routine.					
© Integrate: This skill should NOT be taught in isolation. <i>Integrate</i> the skill into daily	® Review: This skill was taught for mastery in a previous nine-week block. Continue to					
lessons.	<i>review</i> this mastered skill, with heavy emphasis, in the listed nine-week block.					
Second Nine Weeks – embed 1.1 with each unit. 1 lab should be completed with each standard						

3000110F1 (11110) (0		* * * * * * * * * * * * * * * * * * * *	I INCO SILOUIU SE	COLLEGE WITCH	***************************************			
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9

1.1 The student will demonstrate an understanding of scientific and engineering practices

Unit 3 Animals

1.5 Life Processes

The student will investigate and understand that animals, including humans, have basic life needs that allow them to survive. Key ideas include

- a) animals need air, food, water, shelter, and space (habitat);
- b) animals have different physical characteristics that perform specific functions; and
- c) animals can be classified based on a variety of characteristics.

1.1 The student will demonstrate an understanding of scientific and engineering practices

Unit 4 Plants

- 1.4 The student will investigate and understand that plants have basic life needs and functional parts that allow them to survive. Key ideas include
- a) plants need nutrients, air, water, light, and a place to grow;
- b) structures of plants perform specific functions; and
- c) plants can be classified based on a variety of characteristics.

1.1 The student will demonstrate an understanding of scientific and engineering practices

- 1.7 Earth Patterns, Cycles, and Changes (Winter) The student will investigate and understand that there are weather and seasonal changes. Key ideas include
- a) changes in temperature, light, and precipitation occur over time;
- b) there are relationships between daily weather and the season; and
- c) changes in temperature, light, and precipitation affect plants and animals, *including humans*.

Interactive Reading & Note Taking	Interactive Reading & Note Taking	
Framework pp.	Framework pp. 2-6, 22-24	
Scope & Sequence	Scope & Sequence pp. 6-7	

Symbol Key

	- J
♦ Split: This Standard of Learning has been <i>split</i> into more than one nine-week block.	☐ Incorporate: <i>Incorporate</i> this skill into the daily routine.
© Integrate: This skill should NOT be taught in isolation. Integrate the skill into daily	® Review: This skill was taught for mastery in a previous nine-week block. Continue to
lessons.	<i>review</i> this mastered skill, with heavy emphasis, in the listed nine-week block.

Third Nine Weeks - embed 1.1 with each unit. 1 lab should be completed with each standard

<u>i nira Nine weeks</u>	nird Nine Weeks - embed 1.1 with each unit. I lab should be completed with each standard							
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
1.1 The student will understanding of so engineering practic 1.8 Earth Resource The student will invest understand that nature used responsibly. Key a) most natural resource b) human actions can so finatural resources; ar c) reducing, reusing, a to conserve natural resources d) reducing, reusing, a to conserve natural resources.	stigate and ral resources can be videas include ces are limited; affect the availability and recycling are ways ources.	The student will in and Earth. Key id a) the sun is t	hips in Earth/Spaco	erstand that there	e Earth's land, air, and		1.1 The student demonstrate an understanding and engineering 1.7 The student investigate and that there are v seasonal change Key ideas inclu a) changes in tempand precipitation of time; b) there are relation between daily were season; and c) changes in tempand precipitation and animals, including the student statement of the student statement statement of the student statement state	of scientific g practices will understand weather and es. (Spring) de perature, light, occur over onships ather and the perature, light, affect plants
Interactive Reading & No Framework pp. Scope & Sequence p.	ote Taking	Scope & Sequence p.						

Symbol Key

♦ Split: This Standard of Learning has been <i>split</i> into more than one nine-week block.	☐ Incorporate: <i>Incorporate</i> this skill into the daily routine.
© Integrate: This skill should NOT be taught in isolation. Integrate the skill into daily	® Review: This skill was taught for mastery in a previous nine-week block. Continue to
lessons.	<i>review</i> this mastered skill, with heavy emphasis, in the listed nine-week block.

Fourth Nine Weeks - embed 1.1 with each unit. 1 lab should be completed with each standard

Fourth Nine Weeks - embed 1.1 with each unit. I lab should be completed with each standard									
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	
					1.1 The student will demonstrate an understanding of scientific and engineering practices				
1.3 Physical Science – Properties of Matter						1.2 Physical Science – Motion/Energy			
The student will investigate and understand that objects are made from materials that can be described by their physical properties. Key ideas include a) objects are made of one or more materials with different physical properties and can be used for a variety of purposes; b) when a material is changed in size most physical properties remain the same; and c) the type and amount of material determine how much light can pass through an object.					objects can move i include a) objects may have s and-forth motions; and b) objects may vibrat 1.7 a-c Earth Patt	The student will investigate and understand that objects can move in different ways. Key ideas include a) objects may have straight, circular, spinning, and backand-forth motions; and b) objects may vibrate and produce sound. 1.7 a-c Earth Patterns, Cycles, and Changes (Summer) [see Second Nine Weeks]			
 The developmen in first grade. The i The ability of mastandards. 		concrete to more abs with water was move t was added to the phy	ed to grade three due t ysical properties of ma	o the abstract nature of atter in order to align	f the concept.	Interactive Reading & Framework Scope & Sequence p. Other:	_		