Science Learning Progressions

Content Code	Eligible Content	Grades K–2*	Grades 3–5*	Grades 6–8*	Biology Module 1 Cells and Processes	Biology Module 2 Continuity and Unity of LIfe	Chemistry Module 1 Structure and Properties of Matter	Chemistry Module 2 The Mole Concept and Chemical Interactions
*The science content described for the grade-spans K–2, 3–5, or 6–8 may be taught in one or more grades within these grade-spans in the order indicated by this progression.								
The Nature of Science: Inquiry and Habits of Mind								
SK-2.A.1.1.1	Identify a scientific fact as something that can be observed using the five senses.	green						
SK-2.A.2.1.1	Understand that making a change to an investigation may change the outcome(s) of the investigation.	green ●						
SK-2.A.2.1.2	Describe outcomes of an investigation.	green ●						
SK-2.A.2.2.1	Identify simple tools that can be used in an investigation (e.g., measuring cup, hand lens, ruler, balance scale, thermometer).	green ●						
S3.A.1.1.1	Distinguish between fact and opinion.	pink	green					
S3.A.2.1.1	Identify the variables in a simple investigation.	pink	green					
S3.A.2.1.2	Make predictions based on observations.	pink	green					
S3.A.2.1.3	Generate questions about objects, organisms, or events that can be answered through scientific investigations.	pink	green					
S3.A.2.2.1	Identify appropriate tools or instruments for specific tasks, and describe the information they provide (i.e., measuring [length—ruler; mass—balance scale] and making observations [hand lenses—very small objects]).	pink	green ●					
S4.A.1.1.1	Distinguish between a scientific fact and an opinion, providing clear explanations that connect observations and results (e.g., a scientific act can be supported through making observations).		pink, green					
[illegible]	[illegible]							

The Nature of Science: Systems, Patterns, and Models

[illegible]

The Nature of Science: Advancements in Science and Technology

[illegible]

Biological Sciences: Diversity of Life

[illegible]

Life Sciences: Interdependence of Life

[illegible]

Physical Sciences: Matter

[illegible]

Physical Sciences: Energy

[illegible]

Physical Sciences: Force and Motion

[illegible]

Earth & Space Sciences: Earth

[illegible]

Earth & Space Sciences: The Universe

[illegible]

green	When students are expected to demonstrate the knowledge, skills, and abilities described by an eligible content—**No VMC is currently available.**
green ●	When students are expected to demonstrate the knowledge, skills, and abilities described by an eligible content—**VMC is currently available.**
pink	When grade appropriate instruction pertaining to an eligible content or standard should begin.