Kindergarten Science

The purpose of this document is to clarify what students should know and be able to do in each quarter.

The **Competencies** listed in the table below are developed from the Texas Essential Knowledge and Skills (TEKS) for that grade level. The chart defines which quarter the Competency is reported (Q1 = Grading Period 1, Q2 = Grading Period 2, etc.).

Teachers will report on the competencies using the **Grading Progressions** which are comprised of three proficiency levels (developing (DV), progressing (PG), and proficient (PF)) and defines the knowledge and skills students will master on their pathway to proficiency. The Grading Progressions for each Competency are below the yearlong outline of the Competencies. The Grading Progressions define what a student knows and is able to do related to that competency at the end of a unit or quarter. To see what success on each individual competency looks like in a particular unit, please see the **Public Overview** document for the course.

Students who receive a mark of "**Proficient**" meet the grade level expectation for that Competency.

Competencies	Q 1	Q 2	Q 3	Q 4
C1 Matter and its Properties The student classifies objects by physical properties.	X			
C2 Forces and Motion The student describes and predicts the interactions between magnets and materials.	X	X		
C3 Energy The student compares the effects of different amounts of light on the appearance of an object and explains what happens when light strikes different objects.		X		
C4 Patterns in the Natural World The student predicts patterns of day and night and describes and illustrates objects in the sky.		X		
C5 Earth Materials and Systems The student classifies rocks by physical properties and describes weather changes from day to day and over seasons.			X	
C5 Earth Materials and Systems The student classifies rocks by physical properties, describes weather changes from day to day and over seasons, and identifies evidence that supports that air is all around us.			X	
C7 Interactions within Environments The student identifies how plants and animals depend on their environment to meet their basic needs for survival.				X
C8 Structures and Growth of Organisms The student identifies different structures of plants and animals that help them survive, identifies the changes in a simple plant life cycle, and compares how young plants resemble their parent plant.				X

Grading Progression for Competency 5: Earth Materials and Systems

The student classifies rocks by physical properties, describes weather changes from day to day and over seasons, and identifies evidence that supports that air is all around us.

Developing	Progressing	Proficient
Makes observations about the observable properties of rocks. • Shape • Color • Texture Makes observations about weather conditions (sky conditions, air temperature, and precipitation) during outdoor investigations.	Records data about the observable properties of rocks. • Shape • Color • Texture Collects data about weather conditions (sky conditions, air temperature, and precipitation) during outdoor/indoor investigations.	Analyzes evidence to identify the patterns in the observable properties of rocks to describe and classify them. • Size • Shape • Color • Texture Analyzes evidence to describe patterns in weather conditions (sky conditions, air temperature, and precipitation) and changes that occur. • Day to day • Over seasons Uses tools to demonstrate the cause and effect relationship between wind and an object. Makes observations to identify that wind is moving air and can cause a change in the movement of objects.

Grading Progression for Competency 6: Uses of Earth Materials

The student generates examples of practical uses of Earth materials.

Developing	Progressing	Proficient
Makes observations about earth materials. • Rocks • Soil • Water	Records data about the structure and function of earth materials that make them useful. • Rocks • Soil • Water	Uses evidence about the structure and function of earth materials to generate practical uses of- • Rocks • Soil • Water