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 7: Interactions within Environments

The student identifies how plants and animals depend on their environment to meet their basic needs for survival.

Developing	Progressing	Proficient
Makes observations of animals from visuals.	Records data about the basic needs of animals. • air • water • food • space • shelter	Uses data to identify how an environment causes a change in the growth of an animal by meeting its basic needs. • air • water • food • space • shelter
Makes observations of plants from visuals.	Records data about the basic needs of plants. • air • sunlight • water • nutrients in soil • space to grow	Uses data to identify how an environment causes a change in the growth of a plant by meeting its basic needs. • air • sunlight • water • nutrients in soil • space to grow

Grading Progression for Competency 8: 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.

Developing	Progressing	Proficient
Makes observations about the different body parts of animals (system).	Collects data about how the body parts of different animals (system) help them to- • see • hear • move • hold objects	Analyzes data to identify the structures of different animals (system) that allows them to interact with their environment to- • see • hear • move • grasp objects
Makes observations about the parts of different plants (system).	Collects data about the parts of different plants (system).	Analyzes data to identify the structures of different plants (system)- • roots • stems • leaves • flowers • fruits
Makes observations about the different stages of a plant.	Collects data about how a plant changes during a plant life cycle.	Analyzes data to identify how a plant changes during the pattern of a plant life cycle. Analyzes data to record how a plant changes during the pattern of a plant life cycle. • seed • seedling • plant • flower • fruit
Makes observations about the structures of a young plant and a parent plant.	Collects data about the structures of a young plant and parent plant.	Analyzes data to identify the patterns of how young plants resemble their parent plants.