SCIENCE GRADE LEVEL EXPECTATIONS: KINDERGARTEN	**Introduced**	**Practiced**	**Mastered**
Standard 1: Physical Science			
1. Objects can move in a variety of ways that can be described by speed and direction			
Students Can:			
a. Observe, investigate, and describe how different objects move (DOK 1-2)			
b. Describe the motion of a child who is playing (DOK 1)			
2. Objects can be sorted by physical properties, which can be observed and measured			
Students Can:			
a. Observe, investigate, and describe how objects can be sorted using their physical properties (DOK 1-2)			
b. Explain why objects are sorted into categories (DOK 2)			
c. Sort a set of objects based on their physical characteristics, and then explain how the objects are sorted (DOK 1-2)			
Standard 2: Life Science			
1. Organisms can be described and sorted by their physical characteristics			
Students Can:			
a. Sort a group of items based on observable characteristics (DOK 1-2)			
b. Communicate and justify an evidence-based scientific rationale for sorting organisms into categories (DOK 1-2)			
Standard 3: Earth and Space Systems Science			
1. The Sun provides heat and light to Earth			
Students Can:			
a. Investigate, explain, and describe that the Sun provides heat and light to Earth (DOK 1)			
b. Analyze and interpret temperature data between day (when the Sun shines on our area) and night (when the Sun does not shine on our area) (DOK 1-3)			
c. Investigate and communicate findings about what happens when the Sun's light is blocked (DOK 1-2)			
d. Investigate and communicate the effect of varying heat and light on the growth of plants through a scientific study (DOK 1-2)			