

Kindergarten - Science

[NYS Standards](#)

AREA OF ASSESSMENT: Demonstrates understanding of key concepts			
Rubric	Trimester 1 - Matter and Its Interactions; Weather and Climate	Trimester 2 - Forces and Interactions: Pushes and Pulls	Trimester 3- Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment
4	Independently and consistently demonstrates understanding and applies key concepts, makes predictions based on observations and prior knowledge, and provides detailed evidence to support understanding.	Independently and consistently demonstrates understanding and applies key concepts, makes predictions based on observations and prior knowledge, and provides detailed evidence to support understanding.	Independently and consistently demonstrates understanding and applies key concepts, makes predictions based on observations and prior knowledge, and provides detailed evidence to support understanding.
3	Independently demonstrates understanding of key concepts, makes predictions based on observations and prior knowledge, and provides evidence to support understanding.	Independently demonstrates understanding of key concepts, makes predictions based on observations and prior knowledge, and provides evidence to support understanding.	Independently demonstrates understanding of key concepts, makes predictions based on observations and prior knowledge, and provides evidence to support understanding.
2	With guidance and support demonstrates some understanding of key concepts and makes simple predictions based on observations and prior knowledge.	With guidance and support demonstrates some understanding of key concepts and makes simple predictions based on observations and prior knowledge.	With guidance and support demonstrates some understanding of key concepts and makes simple predictions based on observations and prior knowledge.
1	With significant guidance and support, may be able to demonstrate minimal understanding of key concepts.	With significant guidance and support, may be able to demonstrate minimal understanding of key concepts.	With significant guidance and support, may be able to demonstrate minimal understanding of key concepts.

Trimester 1

- Plan and conduct an investigation to test the claim that different kinds of matter exist as either solid or liquid, depending on temperature.
- Use and share observations of local weather conditions to describe patterns over time. [
- Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.*
- Make observations to determine the effect of sunlight on Earth's surface
- Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.*

Kindergarten - Science

Trimester 2

- Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.
- Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.*

Trimester 3

- Use observations to describe patterns of what plants and animals (including humans) need to survive.
- Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs
- Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.
- Communicate solutions that will reduce the impact of humans on living organisms and non-living things in the local environment. *