Semester 1 of 2				
Unit Number: Title Duration	Purpose	Priority Grade-Level Standards	Content Goals and Learner Outcomes	Resources and Materials
Module 1: Forces and Motion 16 Days	In this module, students will plan and carry out investigations, make observations, and analyze and interpret data to explain how pushes and pulls affect the speed, direction, and distance of objects.	K-PS2-1 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. K-PS2-2 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.	Students will be able to ● Make observations about the effect that forces such as pushes and pulls have on motion. ● Describe ways they can change a push or a pull and have resulting change in motion. ● Investigate how an object in motion changes direction. ● Engage in scientific experiences to answer questions such as: How do pushes and pulls affect the way objects move? What happens when objects touch or collide? How can pushes and pulls change an object's direction?	*Inspire Science K,* Module 1

Module 2: Energy and the Sun 10 Days	In this module, students will plan and carry out investigations, design solutions, and make models to explore the Sun's effect on Earth and to learn how to keep cool in the Sun.	K-PS3-1 Make observations to determine the effect of sunlight on Earth's surface. K-PS3-2 Use tools and materials provided to design and build a structure that will reduce the warming effect of sunlight on Earth's surface	Students will be able to ● Make observations about the Sun's warming effects on Earth's surface. ● Describe different ways the warmth of the Sun can be offset. ● Engage in scientific experiences to answer questions such as: How does the Sun affect Earth's surface? How can we stay cool in the Sun?	*Inspire Science K,* Module 2
Module 3: Weather 21 Days	In this module, students will observe, share information, use tools and numbers, and ask questions to describe, compare, and be prepared for weather patterns.	K-ESS2-1 Use and share observations of local weather conditions to describe patterns over time. K-ESS3-2 Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.	Students will be able to ● Make observations about weather and the seasons. ● Describe different types of weather and name tools used to measure and predict weather. ● Engage in scientific experiences to answer questions such as: What weather patterns do you observe in the seasons? What does a weather forecast tell us about severe weather?	*Inspire Science K,* Module 3

Semester 2 of 2				
Unit Number: Title Duration	Purpose	Priority Grade-Level Standards	Content Goals and Learner Outcomes	Resources and Materials
Unit 4: Plants and Animals 15 Days	In this module, students will plan and carry out investigations and make observations and develop models to explore what people, animals, and plants need to survive.	K-LS1-1 Use observations to describe patterns of what plants and animals (including humans) need to survive. K-ESS3-1 Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.	Students will be able to ● Use observations and models to describe, represent, and ask scientific questions about needs, relationships, and environments of plants and animals, as well as why all living things use natural resources. ● Engage in scientific experiences to answer questions such as: What do plants and animals need to live? Where do different kinds of plants grow? Where do different kinds of animals live?	*Inspire Science K,* Module 4
Unit 5: Impacts on Earth's Systems 12 Days	In this module**,** students will plan and carry out investigations, make observations, and develop models to explore ways people, animals, and plants impact the planet.	K-ESS2-2 Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.	Students will be able to ● Make observations about how living things change their environments to meet their needs. ● Investigate the needs of plants, animals, and people and the ways they	*Inspire Science K,* Module 5

			change their environment to meet them. ● Engage in scientific experiences to answer questions such as: How do animals change the environment? How do plants change the environment?	
Unit 6: Protecting Our Earth 14 Days	In this module, students will plan and carry out investigations and make observations and develop models to explore ways people can save natural resources and take care of the planet.	K-ESS3-3 Communicate solutions that will reduce the impact of humans on the land, water, air and/or other living things in the local environment.	Students will be able to ● Make models and communicate their ideas in other ways to share different ways people can reduce their impact on the environment. ● Identify different ways to reduce, reuse, and recycle natural resources. ● Engage in scientific experiences to answer questions such as: How do people's actions change land, air, and water? How can we save natural resources? How can we take care of Earth?	*Inspire Science K,* Module 6
End of Semester 2				