Student Standards
Science Grade 1

Inspire Science

Grade 1 Version 2

http://www.mheducation.com/prek-12

This exciting and easy-to-use K-5 science learning experience with integrated literacy and math will enable students to be a scientist while leveraging and honing their literacy and math skills. With *Inspire Science*, meeting science standards while reinforcing Common Core literacy and math requirements has never been easier. Each module provides an immersive, in-depth exploration that helps students grasp key science topics through an engaging and easy-to-use digital experience.

PERFORMANCE EXPECTATIONS	MODULE – LESSON
WAVES AND THEIR APPLICATIONS	
Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.	**MODULE-LESSON:** Sound Energy>Lesson 1: Sound>Launch Presentation>>Evaluate>Performance Task: Design an Instrument Sound Energy>Lesson 1: Sound>Launch Presentation>>Explore>Inquiry Activity: Rubber Band Guitar Sound Energy>Lesson 2: Making Sounds>Launch Presentation>>Elaborate>Inquiry Activity: Throat Vibrations Sound Energy>Lesson 2: Making Sounds>Launch Presentation>>Evaluate>Performance Task: Sound Energy

Click on the thumbnail symbol you see on **www.connected.mcgraw-hill.com** to advance to the next part of the path.

PERFORMANCE EXPECTATIONS	MODULE – LESSON
Make observations to construct an evidence-based account that objects can be seen only when illuminated.	**MODULE-LESSON:** Light Energy>Lesson 1: Light and Shadows >Launch Presentation> >Evaluate>Performance Task: Lighting the School Play Light Energy>Lesson 3: How Light Travels>Launch Presentation> >Explore>CC Science Interactives: Find the Cat Light Energy>Module Wrap Up>Launch Presentation> >Performance Project: Light Illuminating Objects
Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.	**MODULE-LESSON:** Light Energy>Lesson 2: Properties of Light>Launch Presentation> >Evaluate>Performance Task: Light and Materials Light Energy>Lesson 2: Properties of Light>Launch Presentation> >Explore>Inquiry Activity: Light Passing Through Light Energy>Lesson 3: How Light Travels>Launch Presentation> >Evaluate>Performance Task: Mirrors
Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.	**MODULE-LESSON:** Use Energy to Communicate>Lesson 1: Communicate with Light and Sound>Launch Presentation> >Evaluate>Performance Task: Paper Cup Phone Use Energy to Communicate>Lesson 2: Communication Technology>Launch Presentation> >Evaluate>Performance Task: Send Messages Use Energy to Communicate>Module Wrap Up> Launch Presentation> > Performance Project: Design a Communication Device

PERFORMANCE EXPECTATIONS	MODULE – LESSON
FROM MOLECULES TO ORGANISMS: STRUCTURES AND PROCESSES	
Use tools and materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.	**MODULE-LESSON:** Plants and Animals>Lesson 4: Plant and Animal Survival>Launch Presentation>  >Elaborate> Inquiry Activity: Solving Human Problems Plants and Animals>Lesson 4: Plant and Animal Survival>Launch Presentation>  >Evaluate> Performance Task: Design a New Tool Plants and Animals>Module Wrap Up>Launch Presentation>  >Performance Project: Nature Inspired Tools
Read grade-appropriate texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.	**MODULE-LESSON:** Offspring and Their Parents>Lesson 5: Offspring and Survival>Launch Presentation>  >Evaluate> Performance Task: Young Animal Book Offspring and Their Parents>Lesson 5: Offspring and Survival>Launch Presentation>  >Explain> Science Paired Read Aloud: Animal Messages Offspring and Their Parents>Lesson 5: Offspring and Survival>Launch Presentation>  >Explain> Video: Animal Communication Offspring and Their Parents>Lesson 5: Offspring and Survival>Launch Presentation>  >Explore> Inquiry Activity: Animal Young
HEREDITY: INHERITANCE AND VARIATION OF TRAITS	
Make observations to construct an evidence-based account that some young plants and animals are similar to, but not exactly like, their parents.	**MODULE-LESSON:** Offspring and Their Parents>Lesson 4: Animals and Their Parents>Launch Presentation>  >Evaluate>Performance Task: Compare Cat and Kittens Offspring and Their Parents>Lesson 4: Animals and Their Parents>Launch Presentation>  >Explain>Science Paired Read Aloud: Families are Similar But Different Offspring and Their Parents>Lesson 4: Animals and Their Parents>Launch Presentation>  >Explain>Video: Similarities Between Offspring and Parents

STANDARDS	MODULE - LESSON
EARTH'S PLACE IN THE UNIVERSE	
Use observations of the sun, moon, and stars to describe patterns that can be predicted.	**MODULE-LESSON:** Earth and Space>Lesson 3: The Moon>Launch Presentation>>Explain>Crosscutting Concepts: Patterns Earth and Space>Lesson 3: The Moon>Launch Presentation>>Explain>Inquiry Activity: Make a Model Earth and Space>Lesson 3: The Moon>Launch Presentation>>Explain>Video: The Moon Earth and Space>Lesson 3: The Moon>Launch Presentation>>Explore>Inquiry Activity: How the Moon Looks Earth and Space>Lesson 4: The Sun and Stars >Launch Presentation>>Evaluate>Performance Task: Observe the Night Sky
Make observations at different times of year to relate the amount of daylight to the time of year.	**MODULE-LESSON:** Earth and Space>Lesson 2: Seasonal Patterns> Launch Presentation>>Elaborate>Poptips: How Earth Moves Earth and Space>Lesson 2: Seasonal Patterns> Launch Presentation>>Explain>Crosscutting Concepts: Patterns Earth and Space>Lesson 2: Seasonal Patterns> Launch Presentation>>Explore>CC Science Interactives: Sunlight