

GENERATION GENIUS: A Science Website for Kids!

Sprague Creative Arts and Sciences has purchased an online science program for students to use for easy and fun supplemental science activities at home. The website is generationgenius.com. The login is available for any Sprague student with the username "Sprague" and password "wellesley".

All of the material on this website follows the Massachusetts Science standards for grades K-5.

Entertaining videos along with lesson plans are available for each portion of the science curriculum for each grade. Students can either browse by lesson videos, by grade, or by particular standards that need to be taught.

This way, students can see a 5-10 minute video about a science concept and ask before/after video questions. It allows students to easily and quickly fill any science gaps in a fun and entertaining way!

Generation Genius Lesson	State	Standards Document	Grade	State ID	Standards
Reduce Our Impact on Earth: Natural Resources	MA	Curriculum Frameworks	Kindergarten	K-ESS3-3	Communicate solutions to reduce the amount of natural resources an individual uses.
Introduction to Weather	MA	Curriculum Frameworks	Kindergarten	K-ESS2-1	Use and share quantitative observations of local weather conditions to describe patterns over time.
Introduction to Weather	MA	Curriculum Frameworks	Kindergarten	K-ESS2-2	Obtain and use information about weather forecasting to prepare for, and respond to, different types of local weather.
How Do Plants Change Their Environment?	MA	Curriculum Frameworks	Kindergarten	K-ESS2-2	Construct an argument supported by evidence for how plants and animals (including humans) can change the environment.
Plant Growth Conditions: Animal & Plant Life Cycles	MA	Curriculum Frameworks	Kindergarten	K-LS1-2(MA)	Recognize that all plants and animals grow and change over time.
Plant Growth Conditions: Plants Need Water And Light: Animals Need Food	MA	Curriculum Frameworks	Kindergarten	K-LS1-1	Observe and communicate that animals (including humans) and plants need food, water, and air to survive. Animals get food from plants or other animals. Plants make their own food and need light to live and grow.
Pushes and Pulls	MA	Curriculum Frameworks	Kindergarten	K-PS2-1	Compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.
Solids, Liquids and Gases: Heat and Cooling	MA	Curriculum Frameworks	Kindergarten	K-PS1-1(MA)	Investigate and communicate the idea that different kinds of materials can be solid or liquid depending on temperature.

Magnets & Static Electricity LESSON MATERIALS GENERATE STUDENT LINK

What you will learn from this video

- Forces can be applied at a distance through magnetism and static electricity.
- The closer magnets are, the stronger the force.
- Magnets can push or pull other magnets, depending on the poles.
- Electromagnets can be turned on and off with electricity.
- Static electricity can push or pull things without touching them.

Discussion Questions

Vocabulary

Reading Material

DIY Activity Guide

Lesson Plan

Teacher Guide

Assessment Kahoot! Quiz Game Paper Quiz Exit Ticket