

Wayland-Cohocton Central School

Grade 5

Science Curriculum Map Overview

Topic	Skills	Approximate Weeks of Study
Matter & Energy in Ecosystems- Part 1	<ul style="list-style-type: none"> - Students will develop a model that shows the cycle of energy and matter within ecosystems Emphasis is on the idea that plant matter comes mostly from air and water, not from the soil.] - Students will explain how ecosystems are interdependent. Emphasis is on the idea that matter that is not food (air, water, decomposed materials in soil) is changed by plants into matter that is food. 	8
Earth's Systems- Part 2	<ul style="list-style-type: none"> - Students will describe and graph quantities such as area and volume to address the amounts of salt water and fresh water providing evidence about distribution of water on Earth - Students will analyze how Earth's systems interact in multiple ways to affect Earth's surface materials and processes (hydro-water, bio-life, geo-earth/rock, atmo-gases)
Renewable Energy- Part 3	<ul style="list-style-type: none"> - Students will obtain and combine information from books and/or other reliable media to explain ways individual communities use science ideas to protect Earth's resources and environment -Students will support an argument on renewable resources and technology based upon investigations/data/scholarly works/evidence

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Solar System & Space	<ul style="list-style-type: none"> -Students will support an argument showing gravitational force of Earth acting on an object near Earth's surface pulls that object toward the planet's center - Students will create a graphic or model explaining/representing the large appearance of the sun (medium sized star) is due to the close proximity to Earth 	3
Structure and Properties of Matter	<ul style="list-style-type: none"> -Student will develop a model to show that matter is made up of particles too small to be seen. -Students will observe, record, graph, provide evidence showing the identifying properties of matter. -Students will record and analyze physical as well as chemical changes that occur in matter. 	6