

EAST ISLIP SCHOOL DISTRICT

OHM SCIENCE: SCOPE AND SEQUENCE

GRADE	Unit 1	Unit 2	Unit 3
Grade 3	<p style="text-align: center;"><u>Global Climate</u></p> <p>NYSSLS Covered:</p> <p>3-ESS2-1, 3-ESS2-2, 3-ESS3-1</p> <p><u>Driving Question:</u></p> <p>How do weather and climate affect our lives?</p> <p><u>Students will:</u></p> <ul style="list-style-type: none"> -explore the concept of weather - learn to the tools used to measure weather -read a thermometer and a sling psychrometer -explore the concept of air pressure -learn how temperature and moisture change atmospheric pressure 	<p style="text-align: center;"><u>Forces in Physics</u></p> <p>NYSSLS Covered:</p> <p>2-PS2-1, 2-PS2-2, 3-PS2-3, 3-PS2-4, 3-5-ETS1-2, 3-5-ETS1-2, 3-5-ETS1-3</p> <p><u>Driving Question:</u></p> <p>How does force affect the motion of an object?</p> <p><u>Students will:</u></p> <ul style="list-style-type: none"> -explore pushes and pulls - look at how balanced and unbalanced forces on an object have different consequences -experience different types of forces at work -present and define the different types of forces they researched, including electrostatic force. 	<p style="text-align: center;"><u>Adaptations and Survival</u></p> <p>NYSSLS Covered:</p> <p>3-LS2-1, 3-LS4-1, 3-LS4-3, 3-LS4-4, 3-5-ETS1-2, 3-5-ETS1-2, 3-5-ETS1-3</p> <p><u>Driving Question:</u></p> <p>Why is adaptation necessary to survive?</p> <p><u>Students will:</u></p> <ul style="list-style-type: none"> -learn the types of organisms ad their “age” due to depth of the organism -learn the three types of fossils -understand how physical traits help them survive in their environment/habitat - learn animals of the same species have differences in physical traits in which some traits are beneficial and some are -learn that organisms have specific adaptations that help them survive in their environments

	<ul style="list-style-type: none"> -explore how changes in atmospheric pressure create wind -begin using the weather instruments to collect present weather data -investigate different cloud types -look at how weather changes throughout the year to show climate 	<ul style="list-style-type: none"> -use a pullback car to show elastic force -become familiar with the effect of friction -demonstrate that falling objects accelerate at the same rate -explore different characteristics of magnets <p><u>Engineering Design:</u></p> <p>Students will use materials provided to create their own maglev vehicles. Students will attempt to meet criteria for each of three challenges presented them by the teacher.</p>	<ul style="list-style-type: none"> - see the results of salt water and the effects it has upon plant life - test the effects of the pH level on different living and nonliving objects <p><u>Engineering Design:</u></p> <p>Students will design and create a water filter in order to make a sample of water as clear as possible in order to read a text through the water bottle</p>
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