

BeEnriched Video Lessons

Grade Level	Topic	Video Lesson Summary	Curricular Connection	Video Link
1	Music	Enhance Grade 1 Topic 1 Sound with this lesson on music.	Grade 1 Topic 1 is Sound. This lesson will allow students further investigation into the topic of sound.	Grade K Music Lesson - Sound
5-8	The Moon	Students will learn about the Moon and the phases of the Moon	Grade 5 Topic 6 - Solar System Topic 7 - Patterns in Space Grade 8 Topic 9 - Earth-Sun-Moon Systems	Grades 5-8 Moon Phases
6-8	Earth Science – Convection Currents	Students are introduced to convection currents and how convection currents are formed. A model of a convection current is demonstrated.	Grade 6 Topic 4 - Thermal Energy Topic 5 - Introduction to Earth's Systems Grade 8 Topic 7 - Energy in the Atmosphere and Ocean	Grades 6-8 Earth Science Convection Currents
6-8	NYS Skills Requirement – Density	Students will participate in a lab activity to calculate the density of an object after determining the objects mass and volume. Students will then be able to verify if an object can sink or float in water given the density of water and the density of the object.	This video lesson is a review of density – a NYS Skill requirement. Grade 6 Topic 1 - Introduction to Matter Grade 8 - ILST Performance Assessment Review	Grade 6-8 New York Skills Development – Density
9-12	Earth Science – Rock Cycle and Weathering	Students will observe modeling of the the rock cycle in order to identify the process that cause the formation of sedimentary, metamorphic and igneous rocks.	Regents Earth Science - Unit 6, Unit 8	Grade 9-12 Earth Science Rock Cycle and Weathering
9-12	Earth Science/Environmental Science – The Greenhouse Effect	Students will observe a lab activity that demonstrates the effect of adding carbon dioxide on air temperature.	Regents Earth Science - Unit 7 Environmental Science - Unit 1	Grade 9-12 Earth Science/Environmental Science – The Greenhouse Effect

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9-12	Earth Science – Air Pressure and the Connection to Weather	Students will learn about air pressure and how it is measured. Differences between high and low atmospheric pressure and the effect that air pressure differences have on weather is emphasized.	Regents Earth Science - Unit 5	Grade 9-12 Earth Science – Air Pressure and the Connection to Weather
9-12	Earth Science – Erosion	Students will explore the he processes associated with stream systems by collecting and analyzing data from an actual small-scale erosional-depositional system in order to identify patterns in the relationship between water velocity and stream erosion or deposition.	Regents Earth Science - Unit 8	Earth Science – Erosion
9-12	Chemistry – Types of Chemical Reactions	Students identify and differentiate between four types of chemical reactions: synthesis, decomposition, single replacement, double replacement.	Regents Chemistry - Unit 8	Chemistry – Types of Chemical Reactions

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BeEnriched Field Trips – Science Focused

Grade Level	Field Trip	Virtual Field Trip Summary	Curricular Connection	Video Link
K-8	Field Trip #2 – Olmsted Parks, Broderick Park, Tift Nature Preserve, and Waterkeepers	This virtual field trip to Tift Nature Preserve, Olmsted Parks, Broderick Park, and Buffalo Waterkeepers introduces the students to the various unique features of each local treasure. This includes tree species, food chains/webs, local flora and fauna, invasive and indigenous species, protection of our local waterways, and conservation of our environment.	K-8 Ecology and Environment units	Field Trip #2 – Olmsted Parks, Broderick Park, Tift Nature Preserve, and Buffalo Waterkeepers
K-8	Field Trip #4 – Buffalo Museum of Science	The first 10 minutes of this video focuses on the Buffalo Museum of Science. Exhibits of interest during this visit include: Rethink Extinct, The Golden Mummies of Egypt, and Bugs.	K-8 Science – fossils, insects and arthropods	Field Trip #4 Visit to the Buffalo Museum of Science