



MONROE #1 BOCES DISTANCE LEARNING PROGRAM CATALOG



CHALLENGER
Learning Center of Greater Rochester



Monroe #1 BOCES



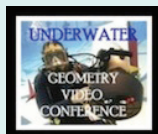
Astronauts - Living the Dream!!

What do former Presidents, Doctors, Attorneys and Judges want to be? ...an Astronaut. Why should they have all the fun? Join Commanders Raab and Robson at the Rochester Challenger Learning Center and experience life as cosmic explorers. See videos from within the International Space Station, taste astronaut food, and watch a heat tile glow red. That's just the start. Your class can ask questions from our highly trained commanders and learn all about outer space and the challenges awaiting the next generation. Grades K-8



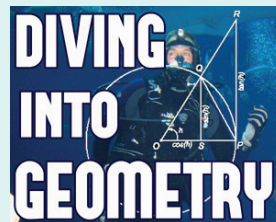
Be A Transformer - FUN WITH ENERGY TRANSFORMATIONS

An amazing opportunity for students. Work directly with the Commanders from the Rochester Challenger Learning Center. Conduct hands-on experiments and participate in the "Energy Game Show". This program aligns directly with the MST Learning Standards for grades 3-7. Identify the different forms of energy including heat, light, electrical, mechanical, sound, nuclear and chemical. A hands-on materials kit is available for students. Video clip available: www.rochesterchallenger.org Grades 3-7



Diving Into Geometry - Underwater Video Conference

Go SCUBA diving with us from the safety of your classroom. Our divers speak with you while they work under water. You talk, they respond. Work with our Dive Master to determine the area, volume, gallons of water, circumference, radius and the angles within our aquatic center. These tasks place your students in the role of "tenders", those that support rescue divers as they explore debris fields. Students should understand that the concepts and principles of geometry have real-world application. The use of geometry is a crucial aspect of search and recovery methods for scuba diving. Video clip available: www.rochesterchallenger.org Grades 8-12



The BUBL Project - Mysteries of the Great Lakes



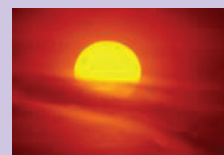
Learn about the impact of invasive species upon the Great Lakes. Watch as our underwater camera explores the living environment of the animals within our aquarium and view microscopic organisms as they zip around under our microscope. The students will be actively involved throughout the entire program and will be free to ask questions about any items of interest. What mysteries might your class uncover? Grades K-12



REASONS FOR SEASONS- ROTATION AND REVOLUTION OF THE EARTH



One of the great challenges for grades 3-6 is understanding and mastering the concepts of revolution, rotation and how it impacts their life. Make this often frustrating topic one of wonder and joy for your students. The Commanders at the Rochester Challenger Learning Center have an entire program dedicated to this need. All materials are included and the curriculum is tried and true. A hands-on materials kit is available for students. An assessment piece is included within the program. Grades 3-6



Simple Machines: Making Life A Little Easier...



Simple machines are tools that make work easier. They have few or no moving parts. However, engaging young learners isn't so easy. Let our Mission Commanders bring this topic to life for your class. Our "hands-on" kit, along with their fantastic instruction makes this a program loved by all ages. An assessment quiz reinforces learning, and the students are sure to remember the content for years to come. Grades 3-7

Sunken Treasures - Shipwrecks of the Great Lakes

The Great Lakes are the resting place for offer us an amazing opportunity to study historical relics. Many of these wrecks important social factors, including storms, human error. Your students will be in-don't know about the Great Lakes.



over 5,000 shipwrecks. These wrecks the past and take a unique look at have a direct link to relevant and wars, navigational challenges and volved and in awe at how much they Grades K-12

The Rise and Fall of Buoyancy



Your class will be thrilled by our underwater video conference and will be engaged throughout. While working with the divers, the students can ask questions and receive a program customized to their interests. Your students will talk with our underwater diver and lead him as he experiments with positive, negative, and neutral buoyancy behaviors. A hands-on materials kit is available for students for further classroom study. Grades K-5



Our science experts will work with you to fully customize a video conference designed to hit a target curriculum area.
www.rochesterchallenger.org

For further information and scheduling, please call or email:

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