

ECHO Class Descriptions: Fall '12

Around the World and Back to Tell the Story: Ages 7 - 12. In this class we will "travel" through many countries and locations around the world, studying the geography, culture, music, food, literature and climate of the different places. We will work with maps, read books, make crafts, meet historical figures, make presentations, eat food, play games, and enjoy music relating to the places we visit. Each student will receive a passport to fill with pictures, stickers and memories of their travels. Some reading, research and writing will be expected periodically outside of class, and each student will be asked to give a presentation (alone or with a group) about a place in the world. We will have a holiday party in December and a geography bee at the end of the class in April or May. **Supply fee: \$20. Helen Shellman**

Chess: All ages and levels welcome. We will start each class with a chess concept and/or puzzle. Older kids will then have time to play and practice their skills. Students new to the game will have a lesson to learn how pieces move. Children must be old enough to sit one hour. **No supply fee. Leann Collins**

Earth and Physical Science: Ages 10 and up. Class will cover a variety of topics in the fields of earth and physical science such as glaciers, meteorology, stars, rocks and minerals, and map reading. **Science Olympiad team members will have all fees waived. Supply fee: \$3. Various Teachers**

Keys of Liberty: Ages 12 and up. The Key of Liberty class is designed to help take students from elementary educational skills and begin transitioning them to the skills of a scholar...how to read, write, and persuade like a righteous lawyer, how to write like an author, how to think like a philosopher, how to compute like a mathematician, and how to speak like an orator. We will begin the process of this transition using a study of the Revolutionary War, the Founding Fathers, and our country's Founding Documents as a vehicle to start us on our way. The students will get to experience the founding era of our country as they never have before. The class includes simulations, source documents, biographies, memorization, opinion papers, oral presentations, and a Constitution Bowl at the year end Parent's Night where the parents will be competing against the students. You better start brushing up now, because I can almost guarantee that the students will beat their parents by a landslide. **Supply fee: \$50. Lisa Blanchard**

Life Science: Ages 10 and up. Class will cover a variety of topics in the field of life science such as anatomy, forestry, heredity, and estuaries. **Science Olympiad team members will have all fees waived. Supply fee: \$5. Various Teachers**

Galloping the Globe: Ages 5-8. In this class, we will feature a different country each week, learning about the flag, finding it on the globe, the language, etc. **No supply fee. Darlene Magnusson**

Physics and Engineering: Ages 10 and up. Classes will feature several projects in the fields of engineering and physics such as a mousetrap vehicle, a helicopter, a musical instrument, etc. **Science Olympiad team members will have all fees waived. Supply fee: \$15. Various Teachers**

Pyramid Project: Ages 12 and up. Pyramid Project is a scholar project that focuses on 4 areas: the search for truth, developing the characteristics of a scientist, learning to reason and use logic, and improvement in math and science knowledge, skills, and application. Students will read, research, discuss, present, and write. Class will include lectures, games, experiments, and book studies. Students are encouraged to memorize their times tables through 12X12, and to read Carry On Mr. Bowditch before class starts. Each student will need a day planner and level appropriate math curriculum of their choice. We will be discussing Carry On Mr. Bowditch in the first class. There will be 2 optional movie nights during the fall, an end of semester Parents night/science fair, and an end of semester field trip for those who complete the project. **Supply fee: \$40. Jana Whitworth**

Science Fun: Ages 5-10. Children will have fun learning about science through building projects and hands-on activities. **No supply fee. Various Teachers**

Story Craft: Ages 5-8. A story will be read and a related craft will be done. **Supply fee: \$2. Darlene Magnusson**