Corpus Callosum

Sample Lessons

3rd Grade Properties and Changes in Matter: Students will explore the concepts of matter and it's properties through hands on activities, while creating an educational toy company that sells toys related to properties/changes in matter toys. Students will be able to answer questions like, “What is matter?” “What are the states of matter and their properties?” “How can matter change states?” “What is a solution?” (Products could include Balloon in a Bottle, Rock Candy Crystals, etc.)

4th and 6th Grade Weather and Climate: Students will explore the concepts of weather and climate through handson activities, while creating an educational toy company that sells weather related products. Students will be able to answer questions such as, “What is weather?” “What is a weather system?” “How does weather relate to climate?” “How can we measure or predict the weather?” (Products could include Wind Vane, Rain Gauge, Tornado in a Bottle, etc.)

5th Grade Matter & Mixtures: Students will explore the concepts of matter and mixtures through handson activities, while creating an educational toy company that sells matter and mixture toys. Students will be able to answer questions like “What is matter?” “What is a mixture?” “What are some ways to create or separate a mixture?” “What is a solvent? What is a solute?” (Products could include Lava Lamps, Oobleck, Silly Putty, High Bounce Balls, etc.)

3rd Grade Physical Science: Energy Transfer Electricity and Magnetism: Students will explore the concepts of energy transfer electricity and magnetism through handson activities, while creating an educational toy company that sells electricity and magnetism products. Students will be able to answer questions like “What is electricity?” “What is a magnetism?” “How can we study electromagnetic force using other objects?” “What kinds of materials are attracted to magnets? How do magnets interact with each other?” (Products could include Magnetic Poetry, Magnetic Silly Putty, Tiny Flashlights, Magnetic Sculptures, etc.)

3rd-5th Grade – Forces of Motion: Students will explore the concepts of forces and motion through interactive activities, while creating an educational toy company that sells products related to forces and motion. Students will be able to answer questions such as “What effect do forces have on the motion of an object?” “How can forces be used to make objects move, change direction, or stop?” “How does the mass of an object affect force, speed, and motion (Products might include Sling Shot Rockets, Paper Jets, Helicopters, Stomp Rockets, etc.)

4th and 8th Grade – Transfer of Energy: Students will explore the concepts of energy transfer through interactive activities, while creating an educational toy company that sells energy transfer products. Students will be able to answer questions such as “What

is energy?" "How can energy be transferred?" "What is the difference between kinetic and potential energy?" What are mechanical, thermal, and wave energies, and how can they be used?" (Products could include Marble Roller Coaster Kits, Solar Panels, Soft Sling Shot, etc.)

7th Grade - Changes in Matter: Mixtures and Compounds: Students will explore the concepts of mixtures and compounds using handson activities, while creating an educational toy company that sells matterrelated products. Students will be able to answer questions like "What are atoms and molecules?" "What are the states of matter?" "What is a fluid (Newtonian and NonNewtonian)?" "What is a mixture and a compound? How are they alike and different?" "What are homogeneous and heterogeneous mixtures?" "What are polymers?" (Some products could include Super Bubbles, Elephant Toothpaste, Slime, Silly Putty, Oobleck, etc.)

SC Visual Arts Standards Addressed During this Experience:

VA33.3Discuss the ways that choices of subject matter, symbols, and ideas combine to communicate meaning in his or her works of visual art.

VA42.1Explain the differences in the composition and design of various works of visual art and the ideas they convey.

VA56.4Discuss and write about the ways that skills from another area of the curriculum might be used in the visual arts.

VA61.3Select and apply the most effective materials, techniques, and processes to communicate his or her experiences and ideas through artworks.

VA74.3Demonstrate visual literacy by deconstructing works of visual art to identify and discuss the elements and principles of design that are used in them.

VA86.3Identify specific visual arts careers and describe the knowledge and skills that one needs for these careers