Benchmarks Grades K-4 (E)	Mighty Currents	Hand-cranked Generator	Electricity Bench	Optics Lab	Mixing Colors	Mystery Shadows	Soap Film Rainbow	Color Banner	Seasons Lab	Orrery	Coriollis Fountain	Snow Chamber	Dew Point	Lissajous' Figures	Lariat Chain	Ripple Tank	Musical Ratios	Pendulum Lab	Peg and Pendulum	Waves on a String	MacFourier	Mobiles Lab	Pendulum Clock	Sawtooth Grapher	Stress Analyzer	Variable Length Pendulum	Vibrations and Frequencies
Earth and Space Science(ESS-E)																											
A. Properties of Earth Materials																											
1. Understanding that earth materials are rocks, minerals, and soils.																											
2, Understanding that about 3/4s of Earth's surface is covered with									X	X	X	X	X														
water and how this condition affects weather patters & climates.																											
3. Investigating, observing, and describing how water changes from									X	X	X	X	X														
one form to another and interacts with the atmosphere.																											
4. Investigating, observing, measuring, describing changes in									X	X	X	X	X														
daily weather patterns and phenomena.																											
B. Objects in the Sky.																											
1. Observing and describing the characteristics of objects in the sky.									X	X	X	X	X														
2. Demonstrating how the relationship of Earth, moon, and sun causes									X	X	X	X	X														
eclipses and moon phases.																											
3. Observing and recording the changing appearances and positions									X	X	X																
of the moon in the sky at night and determining the monthly pattern																											
of lunar change.																											
4. Modeling changes that occur because of the rotation of the Earth and									X	X	X	X	X														
the revolution of the Earth around the sun.																											
5. Understand that the sun, a star, is a source of heat and light energy									X	X	X																
and identifying its effects upon the Earth.																											
6. Understanding that knowledge of the Earth as well as of the universe is										X																	
gained through space exploration.																											