



Applied Science

Our Technological World



	K	1	2	3	4	5	6
Science & Math (3 week)	Tools of Discovery, Senses	Describing Discoveries, Senses	Estimating, Predicting, Symmetry	Linear, Volumetric, Experiments	Plotting Data, Perception	Interpreting Data, Graphing	Scientific Method, Experiments
Physics (2 weeks)	Observation, Magnets	Light, Mechanics	Energy & Work	Electricity & Magnetism	Electric, Magnetic Forces	Waves, Sound, & Light	Gravity, Motion
Technology (2 weeks)	Simple Machines, Inventions	Using Simple Machines	Energy, Machines, Computers	Circuits, Train, Technology	Electro-magnets, Circuits	Laser, Microscopes	Aviation, Rockets
Built Environment (1 week)	Human Made, Natural	Garbage	Power Company	Electricity	Communications	Light Bulbs	Conquering Space

Applied Science at a Glance

Science is important to humans. It is a subject that teaches critical thinking and problem solving in a very applied way. Applied Science is all sciences "rolled" into some product or principle that we use every day. Applied science can be found in all sciences. Science and math is a reminder that two fields work together to solve problems. Physics explains the natural world into physical relationships with one another. Technology highlights examples of how science is used in society. Build Environment reflects technology's affect on the living planet.

In the Classroom

Students learn hands-on activities what science is and how it is very important in any study of science. Students trace the steps of some of the classic experiments in science; learning how problems have been solved. They learn how the principles of physics can help them understand the physical world. Mechanics and physical forces are the focus for modern technology. Students will see how simple machines work, as well as exploring electricity, magnets, lasers, space travel, and other technologies. Students are also introduced to the effects of technology on our planet.