

National Science Standards

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Content Standard A – Science as Inquiry

Students should develop abilities and understandings about inquiry

Identify questions that can be answered through science

Think critically and logically to make relationships between evidence and explanations

Design and conduct a scientific investigation

Use tools and techniques to gather, analyze and interpret data

Content Standard B – Physical Science

Students should develop understandings of properties and changes of properties in matter

Understand the transfer of energy

Identify motions and forces of an object

Content Standard C – Life Science

Students should develop an understanding of the structure and function of living systems

Reproduction and heredity

Populations and ecosystems

Diversity and adaptations of organisms

Content Standard D – Earth and Space Science

Students should develop an understanding of the structure of the earth system

Earth's history

Solar system

Content Standard E – Science and Technology

Students should develop the ability to identify problems involved with technological design

Design a product and implement a proposed design

Evaluate completed technological designs or products

Communicate the process of technological design

Develop an understanding of science and technology – understand the explanations that scientists have proposed.

Content Standard F – Science in Personal and Social Perspectives

Students should develop an understanding of personal health

Populations, resources, and environments

Natural hazards

Risk and benefits

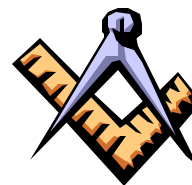
Science and technology in society – how the things scientists do influence society

Content Standard G – History and Nature of Science

Students should develop an understanding of science as a human endeavor



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Activity	A	B	C	D	E	F	G
Safety Bugs							
Learning to Use a Classification Key							
Recyclable Plastics							
Matter in Motion							
Spaces in Matter Which Takes Up More Space?							
There is No "Away"							
Density Tubes							
Slimy Polymers							
The Gym Shoe Corporation							
"Honey, I Broke The Capsule!"							
Polymer Models							
"POLY"mer, The Indicator Worm							
Plastic Formations of All Kinds							
Thermoplastics and Thermosets							