

SCIENCE CURRICULUM

2ND EDITION REVISED & UPDATED

Scope and Sequence

The scope and sequence for all grades remains the same as the previous edition.

Physical Science

Matter—introduction to physical science, the composition and nature of matter, atomic structure and the periodic table, chemical bonds

Types of Substances—metals, nonmetals and metalloids, organic compounds, other useful materials

Interactions of Matter—solutions, chemical reactions, acids, bases, salts

Matter in Motion—forces in motion, work and energy, types of machines

Energy at Work—thermal energy, waves, sound, light nuclear energy, energy resources

Electricity and Magnetism—static electricity, currents and circuits, conductors and insulators, electric cells, measuring electrical energy, electric power, magnets and magnetic fields, electricity to magnetism, magnetism to electricity, electric motors and electronics, superconductivity