

**Science Program:** The Scott Foresman text series is used in teaching national and statewide science benchmarks to the third through fifth graders. Sixth through seventh graders learn national and statewide science benchmarks through the use of the Glencoe Science series. The sixth through eighth grade science program in an integrated approach and no longer divided by earth science, life science and biological science. The Scientific Method is taught and reinforced throughout our curriculum.

- ✚ Third, Fourth and Fifth grade science is divided into the following major categories:
  - Life Science
  - Physical Science
  - Earth Science
  - Human Body

### **Life Science**

Third Grade: Plant Parts and Growth Factors, Animal Growth Factors and Change in Animals, Living Things (organisms) and Where and How they Live, Causes of Environmental Change

Fourth Grade: Structure of Plants, Plant Groups, Plant Parts, Seeds & Fruits, Life Cycle of Flowering Plant, Characteristics of Animals, Similarities and Differences in Animals, Classifying Animals, Animal Reaction to Stimuli, Habitats, Ecosystems, Energy from Plants and Other Living Things, Food Chains and Food Webs, Animal Camouflage, Plant & Animal Structure and Survival, Plant & Animal Behaviors in Regard to Survival, Migration, Effects of Environment on Survival

Fifth Grade: Characteristics of Life, Compare and Contrast of Living and Nonliving, Classifying Living Things, Plants and Animals, Reproduction of Organisms, Life Cycle of Flowering Plant, Dominant and Recessive Traits, Inheritance of Traits, Adaptations, Ecology, Parts of an Ecosystem, Energy of an Ecosystem, Natural Cycles of an Ecosystem

### **Physical Science**

Third Grade: Properties of Matter and Types of Changes, Motion, Movement, Gravity, Magnetism, Levers and Simple Machines, Forms of Energy, Types of Energy, Sound Factors, Travel of Sound, Use of Sound

Fourth Grade: Matter, Mass, Measurement of Length and Volume, Mass and Density, Measurement of Matter, Physical Changes, Chemical Changes, Changes in Motion, Weight, Motion and the Effect of Motion, Effect of Energy on Motion, Relationship between Work and Motion, Electrical Charges, Electrical Current, Electrical Circuits, Magnetism, Electricity versus Magnetism, Colors in Light, Light Hitting Objects, Light Bouncing off of Objects, Sound Travel

Fifth Grade: Elements, Compounds, Mixtures, Solutions, Description of Substances, Interaction of Substances, Motion, Measurement of Motion, Affects of Motion, Force to Move Objects, Gravity's Effect on Motion, Friction's Affect on Motion, Kinetic & Potential Energy Relationship, Radiant Energy, Sound Energy, Movement of Electricity, Home Use of Electricity, Electricity Production in the Home

## **Earth Science**

Third Grade: Volcanoes & Earthquakes Affect on the Earth, Landforms, Water's and Wind's Affect on the Earth's Surface, Living Things' Affect on the Earth's Surface, Materials of the Earth, Composition of Soil, Protection of Natural Resources, Compare Sun and Planets, Sun's Affect on Earth, Moon Movement, Research Methods of Sun, Moon and Planets, Clouds, Clouds and Water, Cause of Storms

Fourth Grade: Affect of Sunlight on Air Temperature, Affect of Temperature on Air Movement, Causes of Clouds and Precipitation, Prediction of Weather, Earth's Surface, Affect of Weather and Erosion on Earth's Features, Materials of Earth Features, Earth's Resources, Mapping the Ocean Floor, Ocean Water Movement, Location of Organisms in the Ocean, Effects of Earth's Movements, Effects of Moon's Movement, Compare Earth and Planets, Information on Distant Planets, Other Objects in Solar System

Fifth Grade: Earth's Layers, Movement of the Earth's Crust, Factors Affecting Earth's Surface, Investigation of Rocks to Understand Earth Changes, Earth's Resources, Protection of Water Resources, Protection of Land Resources, Protection of Clean Air, Water Cycle, Sun's Affect on Climate, Land's and Water's Affect on Climate, Climate Changes, Solar System Components, Stars, Study of Stars and Planets

## **Human Body**

Third Grade: Body Parts, Work of Bones and Muscles, Body Systems, Ways to Stay Healthy, Germs, Some Substances' Affect on the Body

Fourth Grade: Digestive System and How it Works, Circulatory System and How it Works, Brain Information Source, Keeping the Digestive System Healthy, Keeping the Circulatory System Healthy, Keeping your Nervous System Healthy

Fifth Grade: Oxygen Sources for the Body, Use of Oxygen in the Body, Process of Cleansing Cell Wastes, Communicable Diseases, Non-communicable Diseases, Healthy Lifestyle