

# SCIENCE CURRICULUM

2ND EDITION REVISED & UPDATED

## Scope and Sequence

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

### Life Science

**Life**—introduction to life science, study of life science, cells, taxonomy

**Viruses, Bacteria, Protocists, and Fungi**—the structure, types, reproduction, functions, and uses of viruses, bacteria, protocists, and fungi

**Plants**—introduction to plants (types, needs, structure), life processes of plants (reproduction, hormones, behavior)

**Animals**—simple invertebrates and echinoderms, arthropods, vertebrates

**The Human Body**—organization; nutrition; digestive, cardiovascular, respiratory, excretory, musculoskeletal, nervous, endocrine, reproductive, and immune systems; disease; drugs

**Genetics and Heredity**—heredity (traits, reproduction and inheritance, variations, DNA, genes, mutations, mitosis and meiosis, karyotyping, genetics), applications of genetics

**Ecology**—the ecological landscape, ecosystems and community dynamics, biomes, conservation