

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