



Science Overview

Grades 2-4

SECOND GRADE

Science Process Skills

Observing, collecting data

Identifying the 4 main steps of the scientific method

Biology

Ecology: habitats, food chains and food webs, classification of animals

Human Body: focus on systems (digestion, respiration, circulation, nervous)

Chemistry

Matter: 3 states of matter and properties of each

Physics

Electromagnetic wave family (focus on the properties of magnets)

THIRD GRADE

Science Process Skills

Observing, collecting data

Identifying the 4 main steps of the scientific method

Using tools of measurement to collect data

Biology

Ecology: habitats, community, populations, adaptations

Life cycles

Human body: skeletal system

Review of body systems covered in 2nd grade

Chemistry

Chemical and physical changes

Earth Science

Weather: climate, water cycle

Measurement

Mass, weight, volume, and length

Physics

Properties of light

FOURTH GRADE

Science Process Skills

Observing, collecting data

Identifying the 4 main steps of the scientific method

Using tools of measurement to collect data

Identifying variables in an experiment

Biology

Ecology: habitats, community, food webs, predator-prey relationships

Botany: parts of a plant, parts of a seed, germination, photosynthesis, seed dispersal

Earth Science

Solar system

Chemistry

Matter: 3 states and properties, phase changes, relationship with heat energy

Physics

Electricity: circuits, conductors, insulators

Forces: work, simple machines

Engineering

Review of all topics from previous years