



## 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 2<sup>nd</sup> 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**