

# SCIENCE CURRICULUM GRADE 8

## First Nine Weeks

### **MATTER: BUILDING BLOCK OF THE UNIVERSE**

General Properties of Matter  
Physical and Chemical Changes  
Mixtures, Elements, and Compounds  
Atoms: Building Blocks of Matter  
Classification of Elements: The Periodic Table

### **CHEMISTRY OF MATTER**

Atomic Bonding  
Chemical Reactions  
Families of Chemical Compounds  
Petrochemical Technology  
Radioactive Elements

## Second Nine Weeks

### **ECOLOGY: EARTH'S NATURAL RESOURCES**

Energy Resources  
Earth's Nonliving Resources  
Pollution  
Conserving Earth's Resources

### **ECOLOGY: EARTH'S LIVING RESOURCES**

Interactions Among Living Things  
Cycles in Nature  
Exploring Earth's Biomes  
Wildlife Conservation

## Third Nine Weeks

### **DYNAMIC EARTH**

Movement of Earth's Crust  
Earthquakes and Volcanoes  
Plate Tectonics  
Rocks and Minerals  
Weathering  
Erosion

## **CELLS**

The Nature of Life  
Cell Structure and Function  
Cell Processes  
Cell Energy

### **Fourth Nine Weeks**

## **HUMAN BIOLOGY AND HEALTH**

The Human Body  
Skeletal and Muscular Systems  
Digestive System  
Circulatory System  
Respiratory and Excretory Systems  
Nervous System  
Reproductive System  
Immune System  
Drug Awareness