

## **Science Grade:6 Text: BY Design level 6 Supplement Discover God's Creation**

**Lab Resources:** BFEK- Biology for Every Kid, ESFEK- Earth Science for Every Kid, internet

### **First Marking Period August/September**

**Lab:** which sponge holds the most (internet)  
living,nonliving PDF

An EGGcellent Experiment (PDF),Lab Safety Sort

#### Scientific Method

Lab safety procedures

Scientific method review

Project assignment

Chapter 1

#### An Overview of Life

What themes repeat in biology?

What makes nature complex?

What cycles exist in nature?

### **October Lab:**

Chapter 2 How Cells Are Alike and Different

What are cells?

How are cells classified?

What do organelles do?

How do cells get energy?

Chapter 3 How Cells Function

What is the function of DNA?

How are proteins made?

How do cells function?

### **Third Marking Period February Labs/ Projects**

Chapter 11 Properties and Changes of Matter

What are physical properties?

What are physical changes?

What are chemical properties and changes?

What are chemical reactions?

Chapter 12 Atomic Theory

What are the building blocks of matter?

What is the periodic table of the elements?

How are compounds and molecules related to elements?

How do compounds and mixtures differ?

### **Second Marking Period**

**November Lab: p165, taste perception internet,**

Chapter 4 How Your Body Is Organized

What are tissues?

What are your body tissues?

What are your body systems?

What is the integumentary Systems?

What is the nervous system?

What are sense organs and senses?

Chapter 5 Systems Work Together In Your Body 1-2

What do bones do?

What do Muscles do?

### **December**

**Labs/Projects: onion sense organs BFK p.150, build a Lung (diaphragm model)**

Chapter 5 Systems Work Together In Your Body 3-4

How does circulation work?

How does respiration work?

**January Labs: fold intestines BFEKp 198,**

Chapter 6 Safety and Care of the Body & review for mid-terms

What do health professionals do?

How can we stay safe?

What to do in an emergency?

### **Midterms**

### **Fourth marking period March**

**Lab: try this 3.1(Pangea), caffeine and heart rate internet**

Chapter 13 Electricity

What is static electricity?

What is electric current?

What are types of batteries?

What are electric circuits?

What are electronics?

Chapter 14 Electricity and Magnetism are related

What are Magnets?

How are electricity and magnets related?

What is a generator and a motor?

How is electricity used and conserved?

**April Lab: 4.1, 6.2, cleavage line ESFEK p 40**

Chapter 8 Our Dynamic Earth

What is Earth's structure?

How does the crust move?

What causes earthquakes and volcanoes?

Chapter 9 Earth's Surface Features Change

What are weathering, erosion, and deposition?

How is soil formed?

How are landforms created?

**May/June**

Chapter 10 How Life On Earth Has Changed

What is the Geologic Column?

How was the Geologic Column created?

What do fossils tell about extinction?

**Final Exams**

**Chapter 3**

Characteristics of invertebrates

How are invertebrates classified?

What are Sponges, Cnidarians and Worms?

What are Mollusks and Echinoderms?

What are Arthropods?

How do invertebrates use their senses?

**Second Marking Period**

**November:**

**Lab/ Projects: Head or Tails text, Punnett squares, which permanent marker is more permanent internet**

Chapter 3 Characteristics of Vertebrates

What are Fish?

What are Amphibians and Reptiles?

What are Birds and Mammals?

How do vertebrates behave and communicate?