

## **Grade 6 Science Standards and Benchmarks Confirmed**

### **Standard: 2 – Understands Earth’s composition and structure**

#### **Benchmarks:**

- 2.1 Students will know that the earth’s surface is made of different land forms and that landforms change over time.
- 2.2 Students will know that weathering and erosion affect the surface of the Earth over time.
- 2.3. Students will know that landforms are altered through sedimentation, erosion, and the actions of winds and glaciers.

### **Standard: 6 – Understands relationships among organisms and their physical environments**

#### **Benchmarks:**

- 6.1. Students will know that populations are dependent on other populations in an ecosystem.
- 6.2. Students will know that rainforests are delicate ecosystems that need protection from humans if they are to survive.
- 6.3. Students will know that plants are complex organisms.

### **Standard: 8 – Understands the structure and properties of matter**

#### **Benchmarks:**

- 8.1. Students will know that matter has physical, chemical, and biological properties.
- 8.2. Students will know that chemicals are used in our daily lives and can be safely handled.
- 8.3. Students will know that substances have different physical and chemical properties.
- 8.4. Students will know that chemical reactions will occur with some substances and acids or bases.

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### **Standard: 9 - Students will understand the sources and properties of energy**

#### **Benchmarks:**

- 9.1. Students will understand that energy comes in many forms and can be used in different ways.
- 9.2. Students will understand that temperature can be measured.
- 9.3. Students will understand that heat can be transferred through conduction, convection, and radiation.

### **Standard: 12 - Understands the nature of scientific inquiry**

#### **Benchmarks:**

- 12.1. Students will design and conduct a scientific investigation.
- 12.2. Students will use appropriate tools to gather, analyze, and interpret scientific data.