

# **3rd Grade Units**

## **INTRO TO SCIENCE**

1. What is science?
2. Who are scientists?
3. Why we need to learn science.
4. Science tools.
5. Drops on a penny.
6. Generation Genius: *What is Science?*
7. Story: *Cece Loves Science*

## **FORCES AND INTERACTIONS**

### **Forces and Motion**

1. Identifying Forces
2. Balanced and Unbalanced Forces
3. What A Drag (Friction)
4. Falling For You (Gravity)
5. Pendulums (Repetitive Motion)
6. Extension Activities
7. Force and Motion Review and Assessment

### **Types of Interactions**

1. What is a Magnet?
2. Will I Attract?
3. Earth's Magnetism
4. Static Electricity
5. Generation Genius: Magnets and Static Electricity
6. Magnetism and Static Electricity Assessment

## **LIFE SCIENCE**

### **Life Cycles**

1. Plant Life Cycles
  - a. Growing Plants-Life Cycle
  - b. Gizmos: *Growing Plants*
2. Animal Life Cycles

- a. Mealworm Life Cycle - Ongoing (2 months)
  - b. Amazing Animal Life Cycles
3. Generation Genius: *Animal vs Plant Life Cycles*
  4. Life Cycles Test

### **Social Interactions and Group Behaviors**

1. Social Interactions and Group Behavior
2. All About Bees

### **Adaptation**

1. Animal Adaptations
2. Animal Adaptations Test

### **Inheritance**

1. Animals and Their Babies
2. Inheritance of Traits
3. Build a Dog Activity

### **Fossils**

1. Fossils
2. Generation Genius: *Fossils and Extinction*

### **Environment**

1. Ecosystems and Environmental Changes
2. Chesapeake Bay Environmental Issues

### **Optional Extension Activity:**

Engineering is Elementary: A Slick Solution: Cleaning an Oil Spill (if available)

### ***\*Life Sciences Assessment\****

## **WEATHER AND CLIMATE**

1. Weather
  - a. Gizmos: *Observing Weather*
2. Climate Around the World
  - a. Gizmos: *Comparing Climates*
  - b. Generation Genius: *Weather vs Climate*
3. Natural Hazards & Disasters STEM
  - a. Generation Genius: *Extreme Weather Solutions*
4. Weather & Climate Assessment