

# ESSENTIAL LEARNINGS

## 6<sup>TH</sup> GRADE SCIENCE

### **INQUIRY & TECHNOLOGY:**

THE STUDENT WILL INTERPRET AND TRANSLATE DATA INTO A TABLE, GRAPH OR DIAGRAM USING THE APPROPRIATE PROCEDURES AND TOOLS.

### **ENERGY:**

THE STUDENT WILL ANALYZE THE PROPERTIES AND RELATIONSHIP AMONG THE TYPES OF POTENTIAL AND KINETIC ENERGIES AND HOW THEY CAN BE TRANSFERRED TO ONE ANOTHER.

### **CONVECTION CURRENTS:**

THE STUDENT WILL INTERPRET THE RELATIONSHIP BETWEEN THE SUN'S ENERGY AND HEAT CONVECTION IN THE ATMOSPHERE AND OCEAN.

### **WEATHER:**

THE STUDENT WILL MAKE PREDICTIONS ABOUT THE WEATHER USING METEOROLOGICAL TOOLS AND DATA.

### **ECOLOGY:**

THE STUDENT WILL CLASSIFY ORGANISMS ACCORDING TO THEIR ROLE IN THE TRANSFER OF MATERIALS AND ENERGY IN A FOOD WEB, AS WELL AS IDENTIFY ENVIRONMENTAL CONDITIONS, INTERDEPENDENCIES, AND ABIOTIC / BIOTIC ELEMENTS FOUND IN THE MAJOR BIOMES.

### **CHANGING BIODIVERSITY:**

THE STUDENT WILL ANALYZE THE IMPACT OF FACTORS THAT CAN NATURALLY CHANGE THE BIODIVERSITY OF AN ECOSYSTEM.

### **HUMAN IMPACT:**

THE STUDENT WILL EXPLORE THE HUMAN IMPACT ON THE ECOSYSTEMS AND DISCOVER SOLUTIONS TO MAINTAIN THE ENVIRONMENT