

**Warren County School District**  
**PLANNED INSTRUCTION**

**COURSE DESCRIPTION**

**Course Title:** Science 3

**Course Number:** 08333

**Course Prerequisites:** None

**Course Description:**

Third grade science covers various aspects of biological, physical, chemical, earth, and environmental sciences using an activity-based approach. Unifying themes, inquiry and design are incorporated within the areas of study.

**Suggested Grade Level:** Third Grade

**Length of Course:**     One Semester                       Two Semesters                       Other (Describe)

**Units of Credit:** None (Insert *None* if appropriate)

**PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:**  
CSPG 69 PK-4

**Certification verified by WCSD Human Resources Department:**  Yes     No

**TEXTBOOK AND SUPPLEMENTAL MATERIALS**

**Continue using Board approved textbook?**  Yes     No (*If yes, then complete the information below.*)

**Board Approved Textbooks, Software, Supplemental Materials:**

**Title:**

**Publisher:**

**ISBN #:**

**Copyright Date:**

**Date of WCSD Board Approval:** 12/3/18

**BOARD APPROVAL:**

**Date Written:** 11/1/2018

**Date Approved:** 12/3/2018

**Implementation Date:** 2019-2020

## SPECIAL EDUCATION AND GIFTED REQUIREMENTS

The teacher shall make appropriate modification to instruction and assessment based on a student's Individual Education Plan (IEP) or Gifted Individual Education Plan (GIEP).

### COURSE OVERVIEW

#### **Science as Inquiry**

- Scientific Method (introduction)
- Scientific Tools (introduction)
- Plan and implement simple investigations

#### **3.1.A. Organisms and Cells/ 4.1 Ecology**

- Characteristics of living things
- Basic needs of living things
- Life cycle of animals and plants
- Functions of the structure of plants

#### **3.1.B. Genetics**

- Characteristics that appear in both parents and offspring

#### **3.1.C. Evolution**

- Plant and animal survival through adaptations
- Fossils provide us with information about living things

#### **3.2.A. Chemistry**

- Differentiate between physical properties of matter
- Differentiate between the 3 states of matter
- Recognize that all objects are made up of matter
- Recognize how heating or cooling can cause changes in the properties of matter
- Use basic reactions to demonstrate observable changes in the properties of matter

#### **3.2.B. Physics/4.1 Ecology**

- Forces and Motion
- Sources of energy
- Explore temperature changes due to the addition or removal of heat
- Identify conductors or insulators of electricity
- Identify magnetic or nonmagnetic materials
- Identify how light travels
- Recognize that light from the sun as a source of energy

#### **3.3.A. Earth Structure, Processes and Cycles**

- Identify the ways soil is formed
- Physical properties of minerals
- Weather and climate

- Types of clouds

### **3.3.B. Origin and Evolution of the Universe**

- Rotation of the earth and day/night
- Phases of the moon

### **4.1 Ecology**

- Understand symbiotic relationships
- Define habitats
- Explain how changes in habitats affect organisms
- Identify changes in the environment

### **4.2. Watersheds and Wetlands**

- Define and identify watersheds
- Identify animals and plants of a wetland

### **4.4. Agriculture and Society**

- Identify Pennsylvania crops
- Describe how agriculture meets basic needs of humans
- Identify technology used in agriculture

### **4.5. Humans and the Environment**

- Types of pests in both plants and animals
- Types of pollution and sources
- Describe how waste is generated

For standards, essential questions, content, and skills see Curriculum Map –

- Science as Inquiry - These standards are integrated into all areas of study within the 3<sup>rd</sup> grade Science curriculum
- 3.1.A. Organisms and Cells
- 3.1.B. Genetics
- 3.1.C. Evolution
- 3.2.A. Chemistry
- 3.2.B. Physics
- 3.3.A. Earth Structure, Processes and Cycles
- 3.3.B. Origin and Evolution of the Universe
- 4.1 Ecology
- 4.2 Watersheds and Wetlands
- 4.4 Agriculture and Society
- 4.5 Humans and the Environment

## ASSESSMENT

**Portfolio Assessment:**  Yes  No

**District-Wide Common Final Examination Required:**  Yes  No

**Course Challenge Assessment (Describe):** None

**WRITING TEAM:** Warren County School District Teachers

### WCSD STUDENT DATA SYSTEM INFORMATION

1. Is there a required final examination?  Yes  No

*\*Warren County School District Policy 9741 and 9744 state, "All classes in grades 9-12 shall have a final exam."*

2. Does this course issue a mark/grade for the report card?  Yes  No

3. Does this course issue a Pass/Fail mark?  Yes  No

4. Is the course mark/grade part of the GPA calculation?  Yes  No

5. Is the course eligible for Honor Roll calculation?  Yes  No

6. What is the academic weight of the course?

No weight/Non credit

Standard weight

Enhanced weight