

**Warren County School District**

**PLANNED INSTRUCTION**

**COURSE DESCRIPTION**

**Course Title:** Science 5

**Course Number:** 08533

**Course Prerequisites:** None

**Course Description:**

This interactive science course leads students from the matter around them to the interactions of Earth's major systems. Students will develop models and carry out investigations in order to explore the states of matter and their properties. Students will learn about physical and chemical changes as well as how to conserve matter. Students will explore the relationships between living and nonliving things in an ecosystem as well as to learn how matter is cycles through ecosystems. Additionally, students will also explore the interactions of Earth's major systems.

**Suggested Grade Level:** Fifth 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 70 Grades 4-8

**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:**

## **BOARD APPROVAL:**

**Date Written:** 11/2/2018

**Date Approved:** Click or tap to enter a date.

**Implementation Date:** 2018-2019

## **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**

*(List the content to be taught)*

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

- I. Methods of Science**
  - a. Understanding Science**
  - b. Measurement and Scientific Tools**
  - c. Inferring from Indirect Evidence**
- II. Structure and Properties of Matter**
  - a. Matter's Structure**
  - b. Matter's Properties**
  - c. Metals and Nonmetals/Recycling**
- III. Physical and Chemical Changes**
  - a. Physical Changes**
  - b. Mixtures and Solutions**
  - c. Chemical Changes**
- IV. Matter in Ecosystems**
  - a. Interactions of Living Things**
  - b. Balance in Ecosystem**
  - c. Cycles in Ecosystems**
- V. Interactions of Earth's Major System**
  - a. Earth's Major Systems**
  - b. Effects of the Geosphere**
  - c. Effects of the Hydrosphere**
  - d. Effects of the Atmosphere**
  - e. Effects of the Biosphere**

### **ANCHORS AND STANDARDS**

3.1/4.1.5	Biological Science/Ecology
3.2	Inquiry Design
3.3/4.2.5	Earth Science/Water Cycle
3.4/4.5	Physical Science/Humans and the Environment
CC.1.2	Reading Informational Text

## 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