

**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: 12/3/2018

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