

**Warren County School District**

**PLANNED INSTRUCTION**

**COURSE DESCRIPTION**

**Course Title:** Science 6

**Course Number:** 00303

**Course Prerequisites:** none

**Course Description:**

This interactive science course leads students from the center of the earth to the universe as a whole. Students will explore different types of minerals and rocks, the structure of the earth, and how plate tectonics influence earthquakes, and volcanoes. Students will learn about the geologic time scale, and how erosion and deposition affect the mineral components of the earth. Students will also explore aquatic and marine environments, as well as how the water component of planet Earth determines our temperature and weather patterns. Additionally, students will explore how climate changes could affect life on earth.

**Suggested Grade Level:** Sixth Grade

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

**Units of Credit:** 1 (Insert *None* if appropriate)

***PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:***

CSPG Biology, Chemistry, Physics, Environmental, Earth and Space Science, General Science, Middle Level Science, and Elementary

**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:** Earth and Space iScience

**Publisher:** McGraw Hill Education

**ISBN #:** 978-0-07-677385-5

**Copyright Date:** 2017

**Date of WCSD Board Approval: 4/9/2018**

**BOARD APPROVAL:**

**Date Written:** 2/20/18

**Date Approved:** 4/9/2018

**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)*

- I. Methods of Science
  - a. Understanding Science
  - b. Measurement and Scientific Tools
  - c. Inferring from Indirect Evidence
- II. Exploring Earth
  - a. Earth's Structure
  - b. Minerals
  - c. Rocks
  - d. Geologic History and the Evolution of Life
  - e. Fossils
  - f. Weathering and Soil
  - g. Erosion and Deposition
- III. Geologic Change
  - a. Plate Tectonics
  - b. Earth Dynamics
  - c. Earthquakes and Volcanoes
- IV. Weather and Climate
  - a. Earth's Atmosphere
  - b. Weather
  - c. Climate
- V. Water and Other Resources
  - a. Earth's Water
  - b. Oceans
  - c. Freshwater
  - d. Natural Resources

**ANCHORS AND STANDARDS**

3.3.A: Earth Structure, Processes, and Cycles

4.1: Ecology  
4.2: Watersheds and Wetlands  
4.3: Natural Resources  
4.4: Agriculture and Society  
4.5: Humans and the Environment  
CC.3.5.6-8: Reading Informational Text  
CC.3.6.6-8: Writing

## ASSESSMENT

**Portfolio Assessment:** \_\_\_\_\_ Yes   X   No

**District-Wide Common Final Examination Required:** \_\_\_\_\_ Yes   X   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   X   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?   X   Yes \_\_\_\_\_ No
3. Does this course issue a Pass/Fail mark? \_\_\_\_\_ Yes   X   No
4. Is the course mark/grade part of the GPA calculation? \_\_\_\_\_ Yes   X   No
5. Is the course eligible for Honor Roll calculation?   X   Yes \_\_\_\_\_ No
6. What is the academic weight of the course?  
\_\_\_\_\_ No weight/Non credit        X   Standard weight      \_\_\_\_\_ Enhanced weight