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: ☒ Two Semesters

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
Copyright Date: 2017
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 ☒ 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