Course Title: Science 7

Course Number: 00305

Course Prerequisites: None

Course Description:
Seventh grade science is a life science based course covering the following topics: structure and function of organisms, continuity of life, and ecological behavior and systems. Unifying themes and biotechnology are incorporated throughout the course of study.

Suggested Grade Level: Seventh 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

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: Life iScience
Publisher: McGraw Hill Education
ISBN #: 978-0-07-677284-1
Copyright Date: 2017
Date of WCSD Board Approval: April 9, 2018

BOARD APPROVAL:

Date Written: February 20, 2018
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

II. Classifying and Exploring Life
   a. Characteristics of Life
   b. Classifying Organisms
   c. Exploring Life

III. Cells
    a. Structure and Function
    b. Moving Cellular Materials
    c. Cells and Energy
    d. Mitosis and Meiosis
    e. Asexual Reproduction Vs. Sexual Reproduction
    f. DNA

IV. Genetics
    a. Mendelian Genetics
    b. Non-Mendelian Genetics
    c. Advances in Genetics
    d. Animal Behavior

V. The Environment and Change Over Time

VI. Kingdoms
    a. Bacteria and Viruses
    b. Protists
    c. Fungi
    d. Plants
    e. Animals

VII. Interactions of Life

ANCHORS AND STANDARDS

3.1.A: Organisms and Cells
3.1.B: Genetics
3.1.C: Evolution
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