Course Title: Science 8
Course Number: 00307
Course Prerequisites: None
Course Description:
Eighth grade science covers physical science, chemistry and physics in the areas of matter, energy sources, force and motion. Unifying themes, inquiry and design, and technological devices are incorporated within those areas of study.

Suggested Grade Level: Eighth 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, 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: Physical iScience
Publisher: McGraw Hill
ISBN #: 978-0-07-677305-3
Copyright Date: 2017
Date of WCSD Board Approval: April 9, 2018

BOARD APPROVAL:
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. Nature of Science
   a. Scientific Inquiry
   b. Scientific Theories and Laws
   c. Measurement and Scientific Tools
   d. Data Analysis
II. Motion and Forces
   a. Describing Motion
   b. The Laws of Motion
   c. Forces and Fluids
III. Energy and Matter
   a. Foundations of Chemistry
   b. States of Matter
IV. Properties of Matter
   a. Understanding the Atom
   b. The Periodic Table
   c. Elements and Chemical Bonds
V. Interactions of Matter
   a. Chemical Reactions and Equations
   b. Mixtures, Solubility, and Acid/Base Solutions

ANCHORS AND STANDARDS

3.2.A: Chemistry
3.2.B: Physics
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