**Warren County School District**

**PLANNED INSTRUCTION**

**COURSE DESCRIPTION**

**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:** | 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, 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:**

**BOARD APPROVAL:**

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

**Date Approved: \_\_**     \_\_

**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*)

1. Nature of Science
   1. Scientific Inquiry
   2. Scientific Theories and Laws
   3. Measurement and Scientific Tools
   4. Data Analysis
2. Motion and Forces
   1. Describing Motion
   2. The Laws of Motion
   3. Forces and Fluids
3. Energy and Matter
   1. Foundations of Chemistry
   2. States of Matter
4. Properties of Matter
   1. Understanding the Atom
   2. The Periodic Table
   3. Elements and Chemical Bonds
5. Interactions of Matter
   1. Chemical Reactions and Equations
   2. 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 \_\_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 and9744 state, “All classes in grades 9-12 shall have a final exam.”***

1. Does this course issue a mark/grade for the report card? \_\_X\_\_ Yes \_\_     \_\_ No
2. Does this course issue a Pass/Fail mark? \_\_     \_\_ Yes \_\_X\_\_ No
3. Is the course mark/grade part of the GPA calculation? \_\_     \_\_ Yes \_\_X\_\_No
4. Is the course eligible for Honor Roll calculation? \_\_X\_\_ Yes \_\_     \_\_ No
5. What is the academic weight of the course?

|  |  |  |
| --- | --- | --- |
| \_\_     \_\_ No weight/Non credit | \_\_X\_\_ Standard weight | \_\_     \_\_ Enhanced weight |
|  |  |  |