

**Warren County School District
PLANNED INSTRUCTION**

COURSE DESCRIPTION

Course Title: Science 4

Course Number: 08433

Course Prerequisites: None

Course Description:

In fourth grade science, the students learn about a myriad of topics including: scientific inquiry, biology, physical science, environmental science and space.

Suggested Grade Level: Fourth Grade

Length of One Semester Two Semesters Other (Describe)

Course:

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

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

CSPG 69 – PK-4, CSPG 70 – Grades 4-8

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: Inspire Science

Publisher: McGraw Hill

ISBN #:

Copyright Date: 2017

Date of WCSD Board Approval: 2017

BOARD APPROVAL:

Date Written: 11/2/2018

Date Approved: 12/3/2018

Implementation Date: 2019-2020

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)

For standards, essential questions, content, and skills see Curriculum Map –

Course Standards:

PA Academic Standards: (List by Number and Description)

S4.B Biological Science

S4.B.1 Structure and Function of Organisms

S4.B.1.1 Identify and describe similarities and differences between living things and their life processes.

S4.B.2 Continuity of Life

S4.B.2.1 Identify and explain how adaptations help organisms to survive.

S4.B.2.2 Identify that characteristics are inherited

S4.B.3 Ecological Behavior and Systems

S4.B.3.1 Identify and describe living and nonliving things in the environment and their interactions.

S.4.B.3.2 Describe, explain, and predict change in natural or human made systems and the possible effects of those changes on the environment.

S4.B.3.3 Identify or describe human reliance on the environment at the individual or the community level.

S4.D Earth and Space Sciences

S4.D.1 Earth's Features and Processes that Change Earth and Its Resources

S4D.1.1 Describe basic landforms in PA.

S4.D.1.2 Identify the types and uses of Earth’s resources.

S4.D.1.3 Describe Earth’s different sources of water or describe changes in the form of water (for example: water cycle, types of precipitation, lentic and lotic systems and watersheds).

S4.D.2 Weather, Climate, and Atmospheric Processes

S4.D.2.1 Identify basic weather conditions and how they are measured.

S4.D.3 Composition and Structure of the Universe

S4.D.3.1 Describe Earth’s relationship to the sun and the moon.

S4.A The Nature of Science

S4 A.1 Reasoning and Analysis

S4A.1.1 Identify and explain the pros and cons of applying scientific, environmental, or technological knowledge to possible solutions to problems.

S4.A.1.3 Recognize and describe change in natural or human-made systems and the possible effects of those changes.

S4.A.2 Processes, Procedures, and Tools of Scientific Investigations

S4.A.2.1 Apply skills necessary to conduct and experiment or design a solution to solve a problem.

S4.A.2.2 Identify appropriate instruments for a specific task and describe the information the instrument can provide.

S4.A.3 Systems, Models and Patterns

S4.A.3.1 Identify systems and describe relationships among parts of a familiar system (for example: digestive system, simple machines and water cycle)

S4.A.3.2 Use models to illustrate simple concepts and compare the models to what they represent.

S4.A.3.3 Identify and Make observations about patterns that regularly occur and reoccur in nature.[Click here to enter text.](#)

ASSESSMENT

Portfolio Assessment: Yes No

District-Wide Common Final Examination Required: Yes No

Course Challenge Assessment (Describe): N/A

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

Suggested Supplemental Materials: None