**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 Course:** |  [ ]  One Semester | [x]  Two Semesters | [ ]  Other (Describe) |

**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**: [x]  Yes [ ]  No

**TEXTBOOK AND SUPPLEMENTAL MATERIALS**

**Continue using Board approved textbook?** [x] 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:** Click or tap to enter a date.

**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 [x]  No

**District-Wide Common Final Examination Required:** [ ] Yes [x]  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 [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? [ ]  Yes [x]  No
5. What is the academic weight of the course?

|  |  |  |
| --- | --- | --- |
|  [x]  No weight/Non credit |  [ ]  Standard weight | [ ]  Enhanced weight |
|  |  |  |

**Suggested Supplemental Materials: None**