**Warren County School District**

**PLANNED INSTRUCTION**

**COURSE DESCRIPTION**

**Course Title:** Science 3

**Course Number:** 08333

**Course Prerequisites:** None

**Course Description:**

Third grade science covers various aspects of biological, physical, chemical, earth, and environmental
sciences using an activity-based approach. Unifying themes, inquiry and design are incorporated
within the areas of study.

**Suggested Grade Level:** Third 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

**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:**

**Publisher:**

**ISBN #:**

**Copyright Date:**

**Date of WCSD Board Approval:**

**BOARD APPROVAL:**

**Date Written:** 11/1/2018

**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**

**Science as Inquiry**

* Scientific Method (introduction)
* Scientific Tools (introduction)
* Plan and implement simple investigations

**3.1.A. Organisms and Cells/ 4.1 Ecology**

* Characteristics of living things
* Basic needs of living things
* Life cycle of animals and plants
* Functions of the structure of plants

**3.1.B. Genetics**

* Characteristics that appear in both parents and offspring

**3.1.C. Evolution**

* Plant and animal survival through adaptations
* Fossils provide us with information about living things

**3.2.A. Chemistry**

* Differentiate between physical properties of matter
* Differentiate between the 3 states of matter
* Recognize that all objects are made up of matter
* Recognize how heating or cooling can cause changes in the properties of matter
* Use basic reactions to demonstrate observable changes in the properties of matter

**3.2.B. Physics/4.1 Ecology**

* Forces and Motion
* Sources of energy
* Explore temperature changes due to the addition or removal of heat
* Identify conductors or insulators of electricity
* Identify magnetic or nonmagnetic materials
* Identify how light travels
* Recognize that light from the sun as a source of energy

**3.3.A. Earth Structure, Processes and Cycles**

* Identify the ways soil is formed
* Physical properties of minerals
* Weather and climate
* Types of clouds

**3.3.B. Origin and Evolution of the Universe**

* Rotation of the earth and day/night
* Phases of the moon

**4.1 Ecology**

* Understand symbiotic relationships
* Define habitats
* Explain how changes in habitats affect organisms
* Identify changes in the environment

**4.2. Watersheds and Wetlands**

* Define and identify watersheds
* Identify animals and plants of a wetland

**4.4. Agriculture and Society**

* Identify Pennsylvania crops
* Describe how agriculture meets basic needs of humans
* Identify technology used in agriculture

**4.5. Humans and the Environment**

* Types of pests in both plants and animals
* Types of pollution and sources
* Describe how waste is generated

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

* Science as Inquiry - These standards are integrated into all areas of study within the 3rd grade Science curriculum
* 3.1.A. Organisms and Cells
* 3.1.B. Genetics
* 3.1.C. Evolution
* 3.2.A. Chemistry
* 3.2.B. Physics
* 3.3.A. Earth Structure, Processes and Cycles
* 3.3.B. Origin and Evolution of the Universe
* 4.1 Ecology
* 4.2 Watersheds and Wetlands
* 4.4 Agriculture and Society
* 4.5 Humans and the Environment

**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? [ ]  Yes [x]  No
2. Does this course issue a Pass/Fail mark? [x]  Yes [ ]  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 |
|  |  |  |