

WARREN COUNTY SCHOOL DISTRICT
PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Functional Math Grade 8

Course Number: 05227

Course Prerequisites: None

Course Description:

This course provides learners with math skills related to activities of daily living. Topics include identifying numbers as they relate to daily living, basic computations, understanding money value concepts, budgeting, identifying units of liquid and dry measure, height and weight measurement, time management, temperature, graphic representation, elapsed time related to scheduled events and calendars. Using the Pennsylvania Common Core Standards and the Pennsylvania Alternative Standards as a guide, the course will prepare students for the Pennsylvania Alternate State Assessments.

This course is limited to teacher recommendation based on specific student need.

Suggested Grade Level:

Length of Course: One Semester X Two Semesters Other

(Describe)

Units of Credit: 1 (Insert *NONE* if appropriate.)

PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certification(s)

(Insert certificate title and CSPG#) CSPG 61 - Special Education PK-12

Certification verified by WCSD Human Resources Department:

 X Yes No

Board Approved Textbooks, Software, Materials:

Title:

Publisher:

ISBN #:

Copyright Date:

Date of WCSD Board Approval:

BOARD APPROVAL:

Date Written: 1/12/2021
Date Approved: 2/8/2021
Implementation Year: 2020-2021

Course Standards

PA Core Standards: (List by Number and Description)

M08.A-N The Number System
M08.B-E Expressions and Equations
M08.B-F Functions
M08.C-G Geometry
M08.D-S Statistics and Probability

WCSD Academic Standards: None

Industry or Other Standards: None

SPECIAL EDUCATION AND GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (IEP) or Gifted Individual Education Plan (GIEP).

**SPECIFIC EDUCATIONAL OBJECTIVES/CORRESPONDING STANDARDS AND
ELIGIBLE CONTENT WHERE APPLICABLE**

(List Objectives, PA Standards #'s, Other Standards (see samples at end))

PA Standard: M08.A-N The Number System

Alternate Eligible Content	Performance Indicators
M08AN1.1.2a	Convert a fraction to a decimal up to the hundredths place
M08AN1.1.5a	Locate a non-terminating decimal at its approximate location on the number line

PA Standard: M08.B-E Expressions and Equations

Alternate Eligible Content	Performance Indicators
M08BE1.1.2a	Identify the meaning of an exponent (limited to exponents of 2 and 3)
M08BE2.1.1a	Compare two proportional relationships shown in graph form
M08BE2.1.3a	Identify the slope and y-intercept of a line on a graph
M08BE3.1.1a	Select an algebraic equation using addition or subtraction to solve a 2-step real-world problem with one variable
M08BE3.1.2a	Solve a 2-step real-world problem using an algebraic equation involving addition or subtraction and one variable
M08BE3.1.5a	Graph a linear equation

PA Standard: M08.B-F Functions

Alternate Eligible Content	Performance Indicators
M08BF2.1.1a	Determine the missing value in a graph showing a real-world linear relationship
M08BF2.1.2a	Describe the relationship between two variables with a linear relationship displayed in graph form

PA Standard: M08.C-G Geometry

Alternate Eligible Content	Performance Indicators
M08CG1.1.1a	Identify a rotation, reflection, or translation of a two- or three-dimensional figure
M08CG1.1.2a	Identify figures that are congruent/similar
M08CG2.1.2a	Apply the Pythagorean theorem to determine length/distance in a real-world problem
M08CG.3.1.1a	Complete the formula for volume to solve a real-world or mathematical problem

PA Standard: **M08.D-S Statistics and Probability**

Alternate Eligible Content	Performance Indicators
M08DS1.1.2a	Identify a statement that describes the relationship between variables displayed in a scatterplot
M08DS1.2.1a	Answer a question using data from a two-way table

ASSESSMENTS

PSSA Assessment Anchors Addressed: The teacher must be knowledgeable of the PDE Assessment Anchors and/or Eligible Content and incorporate them into this planned instruction. Current assessment anchors can be found at pde@state.pa.us.

***PASA Alternate Eligible Content Addressed:** The teacher must be knowledgeable of the PDE Alternate Assessment Anchors and/or Eligible Content and incorporate them into this planned instruction. Current alternate assessment anchors can be found at pde@state.pa.us.

Formative Assessments: The teacher will develop and use standards-based assessments throughout the course.

Portfolio Assessment: _____ Yes X No

District-wide Final Examination Required: _____ Yes X No

Course Challenge Assessment (Describe): None

REQUIRED COURSE SEQUENCE AND TIMELINE

(Content must be tied to objectives)

Content Sequence	Dates
Objectives:	

- **Demonstrates number concepts/awareness**
- **Identifies/recognizes shapes**
- **Sorts objects based on a variety of characteristics**
- **Identifies/recognizes numerals**
- **Rote counts to a certain number**
- **Counts by 2's, 5's, and 10's**
- **Identifies numeration/place value**
- **Performs addition, subtraction, multiplication and division operations**
- **Uses a calculator**
- **Solves simple story problems**
- **Uses a calculator**

- Identifies coins and bills
- Counts variety of coin and/or dollar combinations
- Reads/writes monetary value using dollar sign and decimal point
- Makes change
- Identifies/uses variety of measurement tools
- Measures volume, weight, temperature, distance
- Identifies current date/day of the week
- Tells time on an analog and digital clocks
- Sets time/alarm on a clock
- Reads times to the minute, hour, 15 minute increments and elapsed time
- Applies information to a variety of graphs
- Calculate percentages
- Solve basic pre algebraic equations containing one variable

WRITING TEAM: WCSD LSS Teachers

WCSD STUDENT DATA SYSTEM INFORMATION

1. Is there a required final examination? _____ Yes x No
2. Does this course issue a mark/grade for the report card? x Yes _____ No
3. Does this course issue a Pass/Fail mark? _____ Yes x No
4. Is the course mark/grade part of the GPA calculation? _____ Yes x No
5. Is the course eligible for Honor Roll calculation? _____ Yes x No
6. What is the academic weight of the course?
 _____ No weight/Non credit X Standard weight (middle school)
 _____ Enhanced weight (Describe)