

WARREN COUNTY SCHOOL DISTRICT
PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Functional Math Grade 5

Course Number: 05202

Course Prerequisites: None

Course Description:

This course provides learners with math skills related to activities of functional living. Topics include identifying numbers as they relate to daily living, basic computations, place value, measurement, time management, graphic representation, patterns, decimals, multiplication, division, and fractions. 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: 5

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 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: My Math

Publisher: McGraw-Hill

ISBN #: 0-328-26368-0

Copyright Date: 2014

Date of WCSD Board Approval: January 12, 2015

BOARD APPROVAL:

Date Written: 1/7/2021

Date Approved: 2/8/2021

Implementation Year: 2020-2021

Course Standards

PA Core Standards: (List by Number and Description)

M05.A-T Numbers and Operations in Base Ten

M05.A-F Numbers and Operations - Fractions

M05.B-O Operations and Algebraic Thinking

M05.C-G Geometry

M05.D-M Measurement and Data

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: M05.A-T Numbers and Operations in Base Ten

Alternate Eligible Content	Performance Indicators
M05AT1.1.1a	Identify place value in a 3-digit number using models
M05AT1.1.2a	Identify a pattern and change in place value when a number up to 99 is multiplied by powers of 10
M05AT1.1.4a	Compare two numbers up to the hundredths place
M05AT1.1.5a	Round a decimal from the tenths place to the nearest whole number
M05AT2.1.1a	Multiply single-digit whole numbers
M05AT2.1.2a	Illustrate the concept of division using fair and equal shares
M05AT2.1.3a	Add or subtract decimals to the tenths place

PA Standard: M05.A-F Numbers and Operations - Fractions

Alternate Eligible Content	Performance Indicators
M05AF1.1.1a	Add or subtract proper fractions with common denominators to solve a real-world problem
M05.AF.2.1.2.a	Multiply a fraction by a whole number less than 10

PA Standard: M50.B-O Operations and Algebraic Thinking

Alternate Eligible Content	Performance Indicators
M05BO2.1.1a	Identify and extend numeric patterns
M05BO2.1.1b	Generate a pattern that follows 1 or more rules provided

PA Standard: M05.C-G Geometry

Alternate Eligible Content	Performance Indicators
M05CG1.1.1a	Identify an ordered pair (x,y) in quadrant I
M05CG1.1.2a	Graph an ordered pair (x,y) in quadrant I
M05CG2.1.1a	Identify a two-dimensional figure with specific attributes

PA Standard: M05.D-M Measurement and Data

Alternate Eligible Content	Performance Indicators
M05DM1.1.1a	Use a conversion table to identify equivalent standard measurements of length or mass
M05DM2.1.2a	Interpret one set of data given in 2 different displays
M05DM3.1.2a	Find volume by using filling or multiplication

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
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Objectives:

- Identify a pattern and change in place value when a number up to 99 is multiplied by powers of 10
- Compare two numbers up to the hundredths place
- Round a decimal from the tenths place to the nearest whole number
- Multiply single-digit whole numbers
- Illustrate the concept of division using fair and equal shares
- Add or subtract decimals to the tenths place
- Add or subtract proper fractions with common denominators to solve a real-world problem
- Multiply a fraction by a whole number less than 10
- Identify and extend numeric patterns
- Generate a pattern that follows 1 or more rules provided
- Identify an ordered pair (x,y) in quadrant I
- Graph an ordered pair (x,y) in quadrant I

- Identify a two-dimensional figure with specific attributes
- Use a conversion table to identify equivalent standard measurements of length or mass
- Interpret one set of data given in 2 different displays
- Find volume by using filling or multiplication

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?
 X No weight/Non credit _____ Standard weight
_____ Enhanced weight (Describe)