

WARREN COUNTY SCHOOL DISTRICT
PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Functional Math Grade 7

Course Number: 05226

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: 7

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

Suggested Supplemental Materials:

Calculators, rulers, Successmaker, money manipulatives, clock manipulatives, base 10 blocks, fraction manipulatives, 3-D geometric shapes, and calendar manipulatives

Course Standards

PA Core Standards: (List by Number and Description)

M07.A-N The Number System

M07.A-R Ratios and Proportional Relationships

M07.B-E Expressions and Equations

M07.C-G Geometry

M07.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: M07.A-N The Number System

Alternate Eligible Content	Performance Indicators
M07.AN.1.1.1.a	Solve one step addition and subtraction problems with fractions, decimals, and positive/negative numbers.
M07.AN.1.1.2.a	Identify the difference between two numbers on a number line using absolute value.
M07.AN.1.1.3.a	Solve multiplication and division problems with positive/negative numbers.

PA Standard: M07.A-R Ratios and Proportional Relationships

Alternate Eligible Content	Performance Indicators
M07.AR.1.1.1.a	Find unit rates given a real world problem.
M07.AR.1.1.3.a	Represent proportional relationships on a line graph
M07.AR.1.1.6.a	Use percentages to solve real world problems.

PA Standard: M07.B-E Expressions and Equations

Alternate Eligible Content	Performance Indicators
M07.BE.2.2.1.a	Identify a one-step algebraic equation with 1 variable to solve real world problems.
M07.BE.2.2.2.a	Identify equality or inequality between expressions with 1 variable.
M07.BE.2.3.1.a	Identify a reasonable solution in the context of the problem using basic operations and numbers under 20

PA Standard: M07.C-G Geometry

Alternate Eligible Content	Performance Indicators
M07.CG.1.1.1.a	Solve one step real world problems related to scaling.
M07.CG.1.1.2.a	Identify the properties of right triangles.
M07.CG.2.1.1.a	Use angle relationships to find the value of a missing angle
M07.CG.2.2.2.a	Find area of plane figures (quadrilaterals)

PA Standard: M07.D-S Statistics and Probability

Alternate Eligible Content	Performance Indicators
M07.DS.1.1.1.a	Determine if collected data is from a random sample
M07.DS.2.1.1.a	Compare two sets of data within a single display such as a picture graph, line plot, or bar graph.
M07.DS.3.1.1.a	Describe the probability of events occurring as possible or impossible.
M07.DS.3.2.2.a	Identify the most and least likely outcome of an event, given a scenario.

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:	
<ul style="list-style-type: none">• 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
- Percentage calculations
- Pre-algebraic equations solving for one variable

WRITING TEAM: WCSD LSS Teachers

WCSD STUDENT DATA SYSTEM INFORMATION

1. Is there a required final examination? ☐ Yes ☒ No
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 (middle school)
☐ Enhanced weight (Describe)