

## WARREN COUNTY SCHOOL DISTRICT

### PLANNED INSTRUCTION

#### **COURSE DESCRIPTION**

**Course Title:** Grade 7 Math Elective

**Course Number:** 00278

**Course Prerequisites:** None

**Course Description:** Through online software and project based learning students will focus on the math concepts integers, proportions, geometry, probability, statistics, percents, expressions, equations, fractions, and decimals.

**Suggested Grade Level:** Grade 7

**Length of Course:** One Semester

**Units of Credit:** .5

**PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:**

CSPG - Middle level Math or Secondary Math 7-12

To find the CSPG information, go to [CSPG](#)

**Certification verified by the WCSD Human Resources Department:** ☒ Yes ☐ No

#### **WCSD STUDENT DATA SYSTEM INFORMATION**

**Course Level:** Academic

**Mark Types:** Check all that apply.

☒ F – Final Average ☒ MP – Marking Period ☐ EXM – Final Exam

**GPA Type:** ☐ GPAEL-GPA Elementary ☒ GPAML-GPA for Middle Level ☐ NHS-National Honor Society  
☐ UGPA-Non-Weighted Grade Point Average ☐ GPA-Weighted Grade Point Average

**State Course Code:** 02037

To find the State Course Code, go to [State Course Code](#), download the Excel file for SCED, click on SCED 6.0 tab, and chose the correct code that corresponds with the course.

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#### **TEXTBOOKS AND SUPPLEMENTAL MATERIALS**

##### **Board Approved Textbooks, Software, and Materials:**

**Title:** Get More Math  
**Publisher:** Click or tap here to enter text.  
**ISBN #:** Click or tap here to enter text.  
**Copyright Date:** Click or tap here to enter text.  
**WCSD Board Approval Date:** 6/29/2020

**Supplemental Materials:** mathshell.org

#### **Curriculum Document**

##### **WCSD Board Approval:**

**Date Finalized:** 6/5/2020  
**Date Approved:** 6/29/2020  
**Implementation Year:** 2020-2021

#### **SPECIAL EDUCATION, 504, and GIFTED REQUIREMENTS**

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (IEP), Chapter 15 Section 504 Plan (504), and/or Gifted Individual Education Plan (GIEP).

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**SCOPE AND SEQUENCE OF CONTENT, CONCEPTS, AND SKILLS**

<b>Performance Indicator</b>	<b>PA Core Standard and/or Eligible Content</b>	<b>Month Taught and Assessed for Mastery</b>
<b>INTEGERS</b>	Click or tap here to enter text.	January February
Add Integers	7.NS.A.1b, 7.NS.A.1d	Choose an item. Choose an item.
Subtract Integers	7.NS.A.1.C, 7.NS.A.1d	Choose an item. Choose an item.
Multiply Integers	7.NS.A.2a, 7.NS.A.2c	Choose an item. Choose an item.
Divide Integers	7.NS.A.2b, 7.NS.A.2c	Choose an item. Choose an item.
<b>PROPORTIONS</b>	Click or tap here to enter text.	February Choose an item.
Unit Rate	7.RP.A.1, 7.RP.A.3	Choose an item. Choose an item.
Equations with tables/proportions/graphs	7.RP.A.2a, 7.RP.A.2b	Choose an item. Choose an item.
Proportional Relationships	7.RP.A.2	Choose an item. Choose an item.
Constant of Proportionality	7.RP.A.2b, 7.RP.A.2c	Choose an item. Choose an item.
Interpret Proportions	7.RP.A.2	Choose an item. Choose an item.
Scale Factor	7.G.A.1	Choose an item. Choose an item.
<b>Geometry</b>	Click or tap here to enter text.	March Choose an item.
Calculate Area	7.G.B.4, 7.EE.B.3	Choose an item. Choose an item.
Calculate Volume	7.G.B.6, 7.NS.A.3, 7.EE.B.3, 7.EE.B.4a	Choose an item. Choose an item.
Similar Figures	7.G.A, 7.G.B	Choose an item. Choose an item.
Properties of Triangles	7.G.A, 7.G.B	Choose an item. Choose an item.
Angle Measures	7.G.A, 7.G.B	Choose an item. Choose an item.
<b>Probability</b>	Click or tap here to enter text.	March Choose an item.
Predictions	7.SP.C	Choose an item. Choose an item.
Classify Probability	7.SP.C.6	Choose an item. Choose an item.
Simple/Experimental Probability	7.SP.C.6, 7.SP.C.7	Choose an item. Choose an item.
Sample Space Compound Events	7.SP.C.8b, 7.SP.C.8a	Choose an item. Choose an item.
Compound Probability	7.SP.C.8b, 7.SP.C.8a, 7.SP.C.8c	Choose an item. Choose an item.

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## PLANNED INSTRUCTION

<b>STATISTICS</b>	Click or tap here to enter text.	<b>April</b> Choose an item.
Calculate Mean, Median, Mode or Range	7.SP.B.4	Choose an item. Choose an item.
Compare Means and Medians	7.SP.B.4	Choose an item. Choose an item.
Data Analysis	7.SP.A.1, 7.SP.A.2	Choose an item. Choose an item.
<b>PERCENTS</b>	Click or tap here to enter text.	<b>April</b> Choose an item.
Find Percent	7.RP.A.3	Choose an item. Choose an item.
Find Tip/Tax/Mark Up	7.RP.A.3	Choose an item. Choose an item.
Find Discount/Tax/Total Cost	7.RP.A.3	Choose an item. Choose an item.
Find Simple Interest	7.RP.A.3	Choose an item. Choose an item.
Percent of Change	7.RP.A.3	Choose an item. Choose an item.
<b>EXPRESSIONS/EQUATIONS</b>	Click or tap here to enter text.	<b>May</b> Choose an item.
Combine Like Terms	7.EE.A.1	Choose an item. Choose an item.
Distribute	7.EE.A	Choose an item. Choose an item.
Factor	7.EE.A.1, 7.EE.A.2	Choose an item. Choose an item.
Solve Two-Step Equations	7.EE.B.3, 7.EE.B.4a	Choose an item. Choose an item.
Write/Solve Equations	7.EE.B.4	Choose an item. Choose an item.
<b>FRACTIONS/DECIMALS</b>	Click or tap here to enter text.	<b>May</b> Choose an item.
Plot Fractions/Decimals	7.NS.A	Choose an item. Choose an item.
Add/Subtract Decimals	7.NS.A.1b, 7.NS.A.1c, 7.NS.A.1d	Choose an item. Choose an item.
Multiply/Divide Fractions	7.NS.A.2a, 7.NS.A.2b, 7.NS.A.2c	Choose an item. Choose an item.
<b>REVIEW</b>	Click or tap here to enter text.	<b>June</b> Choose an item.

## **ASSESSMENTS**

**PSSA Academic Standards, Assessment Anchors, and Eligible Content:** The teacher must be knowledgeable of the PDE Academic Standards, Assessment Anchors, and Eligible Content and incorporate them regularly into planned instruction.

**Formative Assessments:** The teacher will utilize a variety of assessment methods to conduct in-process evaluations of student learning.

**Effective formative assessments for this course include:** Get More Math practice sets, Get More Math mixed review

**Summative Assessments:** The teacher will utilize a variety of assessment methods to evaluate student learning at the end of an instructional task, lesson, and/or unit.

**Effective summative assessments for this course include:** Project based assessments