**COURSE DESCRIPTION**

**Course Title:** Grade 7 Math Elective

**Course Number:** 00278

**Course Prerequisites:** None

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| --- | --- |
| **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](https://www.education.pa.gov/Educators/Certification/Staffing%20Guidelines/Pages/default.aspx)

**Certification verified by the WCSD Human Resources Department:** [x] Yes [ ] No

**WCSD STUDENT DATA SYSTEM INFORMATION**

**Course Level:** Academic

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

[x] F – Final Average [x] MP – Marking Period [ ] EXM – Final Exam

**GPA Type**: [ ]  GPAEL-GPA Elementary [x]  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](https://nces.ed.gov/forum/sced.asp), download the Excel file for *SCED*, click on SCED 6.0 tab, and chose the correct code that corresponds with the course.

**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).

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

|  |  |  |
| --- | --- | --- |
| **Performance Indicator** | **PA Core Standard and/or Eligible Content** | **Month Taught and Assessed for Mastery**  |
| **INTEGERS** | Click or tap here to enter text. | JanuaryFebruary |
| 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. |
| **PROPORTIONS** | Click or tap here to enter text. | FebruaryChoose 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. |
| **Geometry** | Click or tap here to enter text. | MarchChoose 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. |
| **Probability** | Click or tap here to enter text. | MarchChoose 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. |

|  |  |  |
| --- | --- | --- |
| **STATISTICS** | Click or tap here to enter text. | AprilChoose 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. |
| **PERCENTS** | Click or tap here to enter text. | AprilChoose 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. |
| **EXPRESSIONS/EQUATIONS** | Click or tap here to enter text. | MayChoose 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. |
| **FRACTIONS/DECIMALS** | Click or tap here to enter text. | MayChoose 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. |
| REVIEW | Click or tap here to enter text. | JuneChoose 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