

Syllabus

7th Grade Small Group Math

2022-2023

Course Overview:

In math this year, your students will learn the skills and concepts that are outlined by the Massachusetts Math Curriculum Framework for seventh grade. Students will also be explicitly taught strategies in order to support executive functioning while working on higher-level concepts. Lastly, students will continue to practice foundation skills to grow their mathematical independence. Units of study include:

- Multiplication/Division with Decimal Review Unit (reviewing multiplying and dividing numbers with decimals to initiate executive functioning strategies to be used throughout the year)
- Integers (defining integers, adding/subtracting/multiplying/dividing integers, applying integer concepts to real-world scenarios)
- Probability/Statistics (probability of simple, mutually exclusive, and compound events, making predictions based on experimental and theoretical probability, independent and dependent events)
- Equations and Inequalities (solving one and two-step equations, solving and graphing one and two-step inequalities, creating equations and inequalities based on graphs, word problems, or tables)
- Ratios, Rates, and Proportions (Identify proportional relationships, solve using a proportion, calculate unit rates, calculate rate of change)
- Consumer Math (Calculating tax, tip, and discounts, simple interest, and compound interest)
- Operations with Fractions (adding/subtracting/multiplying/dividing fractions and mixed numbers, conversions between fraction/decimals/percents)
- Geometry (identifying and calculating adjacent, vertical, supplementary, and complementary angles on a transversal, calculating the volume of three-dimensional shapes, calculating the surface area of three-dimensional figures, applying geometric concepts to real-world scenarios)

Resources:

We will be using the *Math Connects* textbook as well as supplemental resources like IXL and *iReady*. I will modify materials from these sources as needed in order to make them accessible. Students will have a binder in which they will keep unit materials and resources they can use on all assignments (multiplication chart, graphic organizers, graph paper, etc). All assignments and resources can be found on Google Classroom.

Homework:

Students will have homework most nights to provide them an opportunity to practice their skills and manage their time. Homework assignments will be targeted to be skills that students should be able to complete independently. Homework should take no more than 10 minutes for students to complete. Please reach out if you are having any concerns about homework via email.

Late Homework: Each homework assignment is worth 10 points if completed on time. Students will have a one-day grace period to turn in missing homework for full credit (i.e., homework that

is one day late will be considered full credit). Homework more than one day late that is turned in will score 8/10. Homework that is not turned in will receive no credit. If you are absent, meet with me to discuss make-up work. The late homework policy only applies when you are present in class.

Formal Assessments:

Students will have summative assessments as a means of assessing their understanding of concepts. These assessments will always be open notes as it is important for students to learn how to use their resources and increase their independence. Students will be able to view their grades in aspen as well as Google Classroom. If a child scores below a 70% on a test, they are expected to do **mandatory** test corrections with me, and they will gain 1 point for every point missed until they reach 70% and then a $\frac{1}{2}$ point for every missed point thereafter (ex. If a student earns a 65% and does test corrections, the student will earn back 5 full points back to reach 70%. After that, they will earn $\frac{1}{2}$ points for the remaining 30 missed points. The student would earn a new grade of 85%). Students have the option to do test corrections on any test to earn back up to $\frac{1}{2}$ of the missed points (ex., a student scores a 85% they do test corrections and is able to achieve a 92.2%). I do this so students learn to take their assessments seriously as well as to provide an opportunity for students to have another chance to improve if desired.

Informal Assessments: Students will also be assessed informally during class as they work on individualized practice to increase their mathematical abilities. Students are not graded on these skills specifically, but progress will be continuously monitored. Progress will be reported each trimester via student progress reports. If you have any questions regarding student progress, please reach out via email.

Grading:

Homework (15% of total grade): Homework will be graded based on completion.

- Completed on time or no more than one day late: 10 points
- Completed more than one day late: 8 points
- Never turned in: 0 points

Formal Assessments (30%): Tests will be graded based on correct and complete responses out of 100 points. (Any test score less than 70 will require students to do **mandatory** test corrections for full credit until the student reaches a 70 and then $\frac{1}{2}$ credit for the remainder of the missing point

Classwork (55%): Classwork will be graded based on completion. Completion will be determined by that day's class and the student's individual needs. If a student is on task and putting forth effort, they will receive full credit. A student can make up classwork for full credit as well.

- Completed classwork: 2 points
- Partially Completed classwork: 1 point
- Incomplete classwork: 0 points

My goal in this course is to allow students to strengthen and learn new math skills in a comfortable environment. It is my hope that they are able to build their math confidence by

working at a pace that suits them as well as providing them with many opportunities for undivided attention. I also hope they have some fun!

Yours Truly,
Mary Myers
myersm@mersd.org

Please sign below to acknowledge that you have read the syllabus and understand how to reach out if you have any questions or concerns.

Student Signature

Date

Guardian Signature

Date