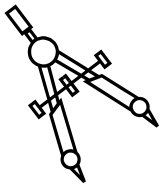
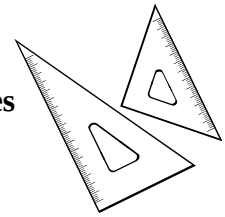


7th Grade Mathematics

Course Goals, Grading Policy and Classroom Rules
Explorer Middle School
Ms. Comeau



Philosophy and Goals: Mathematics is an important part of the human experience. Through the study of mathematics, students develop higher levels of thinking by ordering their thoughts, developing logical arguments, and making inferences. The goals of this course are that students will value mathematics as a common and familiar life long activity, develop positive attitudes toward math through success, demonstrate mathematical literacy, communicate mathematically, become a problem solver, and use appropriate technology in the application of mathematics.

WA State Performance Expectations for 7th Grade Mathematics (summarized):

7.1. Core Content: *Rational numbers and linear equations (Numbers, Operations, Algebra)*
Students add, subtract, multiply, and divide rational numbers—fractions, decimals, and integers—including both positive and negative numbers. Using generalized algebraic skills and approaches, students can approach a wide range of problems involving any type of rational number, adapting strategies for solving one problem to different problems in different settings with underlying similarities.

7.2. Core Content: *Proportionality and similarity (Operations, Geometry/Measurement, Algebra)*
Students extend their work with ratios to solve problems involving a variety of proportional relationships, such as making conversions between measurement units, finding the percent increase or decrease of an amount, finding the relationships found in similar figures, and identifying the rate of change as the slope of the related line.

7.3. Core Content: *Surface area and volume (Algebra, Geometry/Measurement)*
Students extend their understanding of surface area and volume to include finding surface area and volume of cylinders and volume of cones and pyramids. They apply formulas and solve a range of problems involving three-dimensional objects.

7.4. Core Content: *Probability and data (Data/Statistics/Probability)*
Students apply their understanding of rational numbers and proportionality to concepts of probability. They begin to understand how probability is determined, and they make related predictions. Students revisit how to interpret data, now using more sophisticated types of data graphs and thinking about the meaning of certain statistical measures.

7.5. Additional Key Content (Numbers, Algebra)
Students extend their coordinate graphing skills to plotting points with both positive and negative coordinates on the coordinate plane.

7.6. Core Processes: *Reasoning, problem solving, and communication*
Students refine their reasoning and problem-solving skills as they move more fully into the symbolic world of algebra and higher-level mathematics. They move easily among representations—numbers, words, pictures, or symbols—to understand and communicate mathematical ideas, to make generalizations, to draw logical conclusions, and to verify the reasonableness of solutions to problems.

Materials: Students are required to bring a three ring binder to class every day. The math section should contain a spiral notebook (which will include notes/journal and vocabulary), assessments and homework. Students should also bring to class on a daily basis a pencil, notebook paper, and text book.

Text Book: Math Connects – Course 2, Copyright: 2009. Glencoe McGraw-Hill Companies, Inc.

Unit	Mathematical Concepts and Skills
Algebra and Functions	• Introduction to Algebra and Functions • Integers • Algebra: Linear Equations and Functions
Number Sense: Fractions	• Fractions, Decimals, and Percents • Applying Fractions
Algebra and Number Sense: Proportions and Percents	• Ratios and Proportions • Applying Percents
Statistics, Data Analysis, and Probability	• Statistics: Analyzing Data • Probability
Geometry and Measurement	• Geometry: Polygons • Measurement: Two- and Three-Dimensional Figures • Geometry and Measurement

Grading Policy:

The grade a student earns in this course will be a reflection of the student's mastery of targeted standards and objectives. I will do everything I can to assist, encourage and inspire all students to learn.

Grades will be determined by the percent scored on performance and summative assessments (90%) and assignments (10%). The goal will be that each student demonstrates mastery of all standards/objectives. Opportunities to retake assessments to demonstrate mastery will be provided. Assignments will be recorded using a four-point rubric. To earn a four, the assignment must be fully complete, on-time, revised if necessary, and all work must be shown.

Grading Scale:

Percent	93 – 100	90 – 92.9	87 – 89.9	83 – 86.9	80 – 82.9	77 – 79.9	73 – 76.9	70 – 72.9	67 – 69.9	60 – 66.9	0 – 59.9
Grade	A	A-	B+	B	B-	C+	C	C-	D +	D	F

School Rules:

"No one has the right to interfere with the learning, safety or well-being of others."

"Do what is expected and do it the best you can."

E-mail: Comeaucn@mukilteo.wednet.edu

Website: http://schools.mukilteo.wednet.edu/staff/comeaucn/

Please check our classroom website to access the calendar, important information, and your progress in class. The class calendar is updated daily and contains the student expectations, goals, agenda and assignments.