

6th Grade Math Syllabus

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Course Information:

Sixth grade mathematics includes a study of the concepts and skills associated with the understanding of numbers, the place-value system, the basic operations (addition, subtraction, multiplication, and division) and operations with decimals and fractions. Students will study problem solving techniques, measurement concepts using both metric and customary units, properties and relationships of geometric shapes; the representation of numbers on a line, percent, and ratios to describe proportional relationships. Emphasis is placed on acquiring problem solving skills, understanding of fractions and decimals, and understanding of the properties and relationships of geometric shapes. Algebraic reasoning with a focus on equations and relationships as well as proportional relations will be covered. This course will include the appropriate use of graphing technology. **Pre-AP sixth grade** mathematics includes topics covered in Grade 6 Mathematics with a more in-depth, rigorous study of fractions, algebraic reasoning and proportionality.

Text:

Motivational Math will be the primary math text for the class. Students will receive a Motivational Math Independent Workbook along with online access.

Supplementary Resources:

Many resources are available to students to support them in their learning. They are encouraged to make use of the resources in the classroom as well as the library and the technology demonstrated and offered to them to further assist them in the learning process.

www.learnzillion.com

www.khanacademy.org

www.mathplayground.com

www.virtualnerd.com

Goals:

All students should be able to reason and communicate proficiently in mathematics. They should have knowledge of and skill in the use of the vocabulary, forms of representation, materials, tools, techniques, and intellectual methods of the discipline of mathematics, including the ability to define and solve problems with reason, insight, inventiveness and proficiency.

Requirements:

Active Class Participation

Group Collaboration

Assessment at the end of each Unit

Course Calendar/Schedule:

1st Six Weeks CBA: October 3-4, 2016

STAAR Test: May 08, 2017

Grading Policy:

50% - daily class work/quizzes

40% - tests/projects

10% - homework

- There will be a minimum of 10 grades every six weeks.

Test Retakes:

- Students who fail a major test/assessment (below 70%) will be allowed to retake or correct up to a 70% grade. Students will have to make arrangements with the teacher to retake or correct a major test/assessment and all retakes
- All corrections must be completed prior to the end of each six week grading period. Students are encouraged to attend tutorials.

Absences/Late Work:

If student is absent it is their responsibility to pick up any assignments missed and to turn in any assignments due upon their return. If assignment is not turned in the following late policy will be applied:

- 1 class day late – grade may be reduced up to 15 points
- 2 class days late- grade may be reduced up to 30 points.
- 3 class days late – grade may be between 0 and 50: teacher discretion

Course Policies:

Attendance – Regular school attendance is essential for students to gain the maximum benefit from teacher-led and school activities. An unexcused tardy will result in action being taken in accordance with school policies.

Class Participation - Students should participate actively in class discussions and work cooperatively in groups with their peers.

Missed Exams- Students can makeup assignments or tests after excused absences. Students will have the same number of days they are absent to make up work.

Intermediate School Grading Guidelines

Teachers shall determine student progress using a grading scale of 0-100.

90-100 = A

80-89 = B

70-79 = C

Below 70 = Failing

I = Incomplete ("I" is not an academic grade, but indicates incomplete work.)

E = Excellent

S = Satisfactory

N = Needs Improvement U = Unsatisfactory

Academic Dishonesty - A student found cheating or aiding in cheating will receive a grade of zero on the assignment and the teacher will contact the parent. Cheating will include being in possession of another student's assignment without the teacher's permission.