Tsehootsooi Middle School

7th Grade Math Course Syllabus

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7th Grade Math Teacher Ext. 6879

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Course Description

By the end of this school year, students will understand and be able to use probability, geometry, numbers sense, and algebra. The standards are fully explained on the Arizona College and Career.

WRUSD District Math Curriculum and Standards

For College and Career Readiness

Instructional time should focus on three critical areas :(1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2 ) grasping the concept

a function and using functions to describe quantitative relationships; (3) analyzing two --- and three--- dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

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| **Semester 1 ( 2023)** | **Semester ( 2024)** |
| **The Number System 1st Semester*** Know that there are numbers that are not rational, and approximate them by rational numbers.

**Ratio and Proportionality 1st Semester****Expressions and Equations 1st Semester*** Work with radicals and integer exponents.
* Understand the connections between proportional relationships, lines, and linear equations.
* Analyze and solve linear equations and pairs of simultaneous linear equations.
 | Expressions and Equations 2nd Semester* Work with radicals and integer exponents.
* Understand the connections between proportional relationships, lines, and linear equations
* Analyze and solve linear equations and pairs of simultaneous linear equations.

Geometry 2nd Semester* Understand congruence and similarity using physical models, transparencies, or geometry software. Understand and apply the Pythagorean Theorem.
* Solve real – world and mathematical problems involving volume of cylinders, cones and spheres.

Statistics and Probability 2nd Semester* Investigate patterns of association in bivariate data.
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Textbook / Publisher

enVisionmath2.0 Common Core Grade 7

We will be using consumable textbooks, every student will receive a textbook which they are responsible for bringing to class every day, along with their Math composition notebooks, unless states otherwise.

Requirements : Materials and Supplies

 **The WRUSD has provided school supplies to all our students this year.**

**Materials/Supplies :** Students are required to bring the following items to class every day.

* Pencils ( preferred )
* Composition Notebook
* Graph Paper
* Scientific Calculator

Rules and Classroom Management Policies

Students are expected to come to class everyday prepared and ready to learn with a positive attitude. Students are required to act in a behavior conducive to learning based on Tsehootsooi Middle School Handbook. If students are not able to follow the rules, they will be disciplined according to the steps and procedures detailed in the Student Handbook. Teachers need updated parent contact information. We will contact parents occasionally based on need. ( i.e. good behavior, missing assignments/grades update, classroom behavior, etc.)

Course Grading & Evaluation Policy

Students will receive a grade based on the following categories:

* Test/Quizzes . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .40%
* Class work . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 30%
* Projects . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 10%
* Interactive math journal/Cornell Notes . . . . . . . . . . . .10%
* Homework . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .10%

Course Letter Grade/Percentage

A : 100 - 90

B : 89 – 80

C : 79 – 70

D : 69 – 60

E : 59 - 0