**Tsehootsooi Middle School**

**8th Grade Math Syllabus**

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| **scouts.pngMr. Manning** **8th Grade Math Teacher****PO Box 559, Fort Defiance, Arizona 86504** | **School Phone: 928-729-6879****Email: montem@wrschool.net** |

**Course Description**

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

**Arizona College and Career Ready Standards**

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 of 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.

Our curriculum will be as follows:

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| **Semester 1 (2021)** | **Semester 2 (2022)** |
| **Geometry 1st Semester**Understand congruence and similarity using physical models, transparencies, or geometrysoftware.• Understand and apply the Pythagorean Theorem.• Solve real--‐world and mathematical problems involving volume of cylinders, cones and spheres.**Expressions and Equations 1st and 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. | **Statistics and Probability 2nd Semester**• Investigate patterns of association in bivariate data.**The Number System 2nd Semester**• Know that there are numbers that are not rational, and approximate them by rational numbers.**Expressions and Equations 1st and 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.**Functions:** • Understand relations of functions; use functions to model relationships.  |

**Textbook/Publisher:**

*enVisionmath2.0 Common Core Grade 8*

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 composition notebook, unless stated 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 everyday.

* Pencils (preferred)
* Composition notebook
* Graph paper
* Scientific calculator (preferred)

**Rules & 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).*

**Classroom Grading & Evaluation Policy**

Students will receive a grade based on the following categories:

* Tests/Quizzes………………………………………40%
* Class Work ………………………………………...30%
* Projects……………………………………………..10%
* Interactive Math Journal……………... ………...….10%
* Homework……………………………...…………..10%

 **TOTAL** 100%

**A: 100 – 90**

**B: 89 – 80**

**C: 79 – 70**

**D: 69 - 60**

**F: 59 – 0**

***Class Work:*** Participation in class activities and class assignments are important to

assess student understanding and learning. All students are expected to participate daily in class.

Students are responsible for any work missed during the instructional hour.

***Projects***: Students will be assigned PBL (Project Based Learning) periodically throughout the school year. The teacher will communicate the expectations of the assigned project, and assess specific grading criteria using a scoring rubric.

***Homework:*** Students will receive homework to reinforce key math concepts, skills and abilities. Students are expected to complete and turn in all homework in a timely manner.

Homework is due the next day, unless otherwise specified by the teacher.

***Quizzes:*** A lesson quiz will be given weekly at the conclusion of every topic lesson in preparation for the Topic assessment.

***Topic Assessment:*** An assessment will be given at the conclusion of every Topic. Assessments should be completed independently. Talking or cheating during an assessment is NOT allowed. If a student is found doing such things, he/she will receive a 0% on the assessment and cannot make up the assessment.

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*NOTE: All Assessments (test/quizzes) will stay inside of the classroom in the students’ folder.*

*If a student is absent, he or she is able to make up missed quizzes or test. However, they must*

*stay after school; unless time is given in class (see* **After School Tutorial** *below).*

**Late/Make-Up Work**

Students are responsible for any missed assigned work/class notes when absent. If they are aware that they will be absent ahead of time and make prior arrangements with the teacher. It is the students’ responsibility to complete missed work and turn it in within a timely manner. Refer to the Assignment Schedule for missing assignment(s) posted on the School Teacher Website.

**After-School Tutoring**

Math tutoring is available at a time designated by the school. Tutoring will offered for a student needing homework help or remediation. Transportation will be provided for students dependent on school funding. In some cases, after school tutoring will be mandatory for students failing the class.

***Return signed syllabus to your Math Teacher ASAP!***

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**Tsehootsooi Middle School**

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**Signature Acknowledgement:**

**I acknowledge that I have read and received a copy of the Math**

**syllabus. I will govern myself according to class procedures, rules and**

**expectations.** *(Please write legibly)*

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Student Name (PRINT)

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Student Signature Date

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Parent Name (PRINT)

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Parent/Guardian Signature Date

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Cell Phone Number

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Email Address

**If you have any questions or concerns regarding the course syllabus, please**

**Contact your 8th Grade Teacher, to set up an appointment for a conference**