

Tioga Middle School

7th Grade Math Syllabus

Instructor: Mr. Khalaf

Conference: 1st period (8:00-8:45)

Email: Elias.Khalaf@Tiogaisd.net

Welcome to the start of a new school year at Tioga. I am very excited to teach 7th grade math this year. I run a well-disciplined, no-nonsense, student-centered classroom that promotes positive learning for all students. I have high expectations for my students. Math is everywhere and used every day. My goal is for the students to enjoy learning math in a fun and unique way! I look forward to a successful year for all our students.

Student Learning Objectives:

By the end of the school year, I expect all students to be able to:

- Apply mathematical process standards to represent and use rational numbers in a variety of forms. The student is expected to extend previous knowledge of sets and subsets using a visual representation to describe relationships between sets of rational numbers.
- Apply mathematical process standards to represent addition, subtraction, multiplication, and division while solving problems and justifying solutions.
- Apply mathematical process standards to develop an understanding of proportional relationships in problem situations.
- Apply mathematical process standards to solve problems involving proportional relationships.
- Apply mathematical process standards to use probability and statistics to describe or solve problems involving proportional relationships.
- Apply mathematical process standards to represent linear relationships using multiple representations. The student is expected to represent linear relationships using verbal descriptions, tables, graphs, and equations that simplify to the form $y = mx + b$.
- Apply mathematical process standards to develop geometric relationships with volume.
- Apply mathematical process standards to use one-variable equations and inequalities to represent situations.
- Apply mathematical process standards to use statistical representations to analyze data.
- Apply mathematical process standards to develop an economic way of thinking and problem solving useful in one's life as a knowledgeable consumer and investor.

Content Pacing:

Units/Lessons	Days	TEKS
Number and Operations		
1. Adding and Subtracting Rational Numbers	8	7(1)(C), 7(1)(D), 7(1)(G), 7(3)(A), 7(3)(B)
Expressions, Equations, and Relationships		
2. Equations & Inequalities	10	7(1)(A), 7(1)(B), 7(1)(D), 7(3)(B), 7(10)(A), 7(11)(A)
Measurement and Geometry		
3. Angles	10	7(1)(C), 7(1)(E), 7(1)(F), 7(11)(A), 7(11)(C)
4. Circles	9	7(1)(A), 7(1)(D), 7(1)(F), 7(9)(B), 7(9)(C)
5. Surface Area and Volume	8	7(1)(B), 7(1)(C), 7(1)(D), 7(9)(A), 7(9)(B), 7(9)(C), 7(9)(D)
Proportionality		
6 Ratios and Rates	9	7(1)(B), 7(1)(C), 7(1)(G), 7(4)(B), 7(4)(D), 7(4)(E)
7 Proportional Relationships	9	7(1)(A), 7(1)(D), 7(1)(G), 7(4)(A), 7(4)(C), 7(4)(D)
8 Linear Relationships	10	7(1)(A), 7(1)(C), 7(1)(F), 7(1)(G), 7(4)(D), 7(7)(A)
9 Percents	10	7(1)(F), 7(1)(G), 7(3)(A), 7(3)(B), 7(4)(D)
Measurement and Data		
10 Sampling	9	7(1)(A), 7(1)(D), 7(1)(F), 7(6)(F), 7(12)(B)
11 Comparing Two Populations	8	7(1)(A), 7(1)(E), 7(1)(F), 7(1)(G), 7(12)(A), 7(12)(B), 7(12)(C)
12 Probability Concepts	9	7(1)(C), 7(1)(F), 7(1)(G), 7(6)(A), 7(6)(E), 7(6)(H)
13 Compound Events	9	7(1)(B), 7(1)(C), 7(1)(D), 7(1)(E), 7(6)(A), 7(6)(B)
Personal Financial Literacy		
14 Economic Thinking	9	7(1)(A), 7(1)(D), 7(1)(E), 7(13)(A), 7(13)(B), 7(13)(C), 7(13)(D)

Required Supplies:

- Notebook binder with plenty of notebook paper
- Pencils: math work is to be completed in pencil ONLY!
- Eraser
- Ruler: inch/cm
- Grading Pens: red or blue.
- Spiral notebook/Math journal

Textbook:

Digits book accompanied with a student workbook. An online version of the Digits book is available at this website: www.pearsonrealize.com

Our class time will include an interactive digital lesson, hands-on partner and group activities to explore math, plus time to explain and elaborate on our work. We will use math manipulatives like counters, algebra tiles, cards, graphs, tables, number cubes, and other objects to help with comprehension. Students will be provided with a user name and a password to do online assignments at home. I encourage you to support your child using their online program while at home.

Expectations:

- No cellular phones are allowed in class.
- Must be seated in your assigned seat before the tardy bell rings.
- Start working on the warm-up examples.
- Get ready to grade your homework using a red pen.
- Write down daily objectives, vocabulary list and homework assignment.
- Clean up around your desk or work space before leaving class.
- I will dismiss you and not the bell.

Restroom Procedures:

Do not interrupt class instruction to ask for a restroom break. You may not use the restroom unless you have completed your daily practice, or if it is an emergency. You must take a pass with you anytime you leave class before the bell rings. Please read the student handbook

Regular and punctual attendance is appreciated. If you must be tardy, you must have a note from the office/teacher.

Just in case some of you might have missed reading part of the syllabus, I want to emphasize to you

No Cell Phones

No Texting

No Kidding

Classroom Rules:

I have 3 simple rules to be followed.

1. **Listen** and **Follow Directions** the first time you hear it
2. **Raise** your Hand before Speaking
3. Treat yourself and others without **Respect**

Grades:

Grades are earned, not given. Turning in the very best work possible and on time are ways to help improve one's math grade! Your **grade** will be calculated as:

Assessments: Quizzes/Tests: 50%

A quiz and/or a test will be given weekly. Keeping up with work will ensure students are prepared for them, even in the event of an absence during the week. Assessments are used to check for understanding and success of the material being covered. Reviewing the concepts and completing practice problems prior to the test/quiz would be very helpful.

Homework & In class work: 50%

You must **show your work** on all your math assignments. All math work must be done using a **pencil**. Homework will be assigned almost every day. Please be sure to keep up with the assignments so you do not fall behind. You should always write your assignments in your assignment folder. Most homework will be started in class and finished either during supervised study or at home.

Test/Homework Corrections:

Students are encouraged to make corrections on any math assignment/test on a separate paper titled Corrections. You must show your work to get credit. This will not only improve your grade but it will strengthen your skills and understanding. By going over your mistakes you will do better on future assignments/tests.

Make-up Work:

Work missed due to being absent is the ***student's responsibility***. You must check with your assignment buddy or with the teacher for any missed assignments. You are allowed the same number of days for each class you miss to turn in daily work. If a student is absent for two class periods, they will have two extra days to complete the assignments.

Late Work:

All math work should be completed and turned in for a grade. If the assignment is turned in one day late, you will earn a maximum grade of 75. If work is never turned in, you will be asked to stay after school to make up your late work for a maximum grade of 70. I will contact your parent immediately if you make a grade below a 70 on a test and corrections were not turned in.

Retesting:

Students who miss a test due to being absent are expected to get with the teacher to set-up a retest time as soon as possible.

Math is a cumulative subject that requires frequent practice in order to develop your skills. If one lesson is confusing then the next lesson is likely to be more confusing. To avoid this, do not procrastinate on working your assignments. Allow yourself more time to read and re-read the problems until it clicks. The more problems you try the more polished math learner you become. Allow yourself to work through unexpected difficulties in understanding the material. The general rule of thumb is to spend two hours studying for every hour spent in class. Your proficiency with math and your success in this class will depend on how serious you approach your math homework. Completing your homework and asking questions in class enhances your chances of doing well on quizzes and tests.

Tutorials:

If you are struggling and falling behind, you'll be asked to attend **tutorials**. You need to make ride arrangements with your parents/guardians to pick you up after school.

My tutorial times are 7:30 - 7:55 a.m. on Monday, Tuesday, and Thursday and 3:25 - 4:00 p.m. on Tuesday, Wednesday, and Thursday.

Tardiness: All guidelines from the student handbook will be followed.

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Mr. Khalaf
Tioga Middle School

Please sign this form and return to me by Friday, August 28, 2015. This is to verify that you have received a copy of the syllabus for this class.

Date: _____

Printed Student Name:

Student Signature: _____

Printed Parent/Guardian name:

Parent/Guardian Signature: _____

Please provide the following for continued contact:

Parent's cell phone: _____

Parent's home phone: _____

Parent's E-mail: _____

Do you have Internet access at home _____ **YES** _____ **NO**