

Elementary Algebra Disclosure Document

Timpanogos High School

Instructor: Mandy Richardson
Course: Elementary Algebra
Text: Algebra I (Cord Communications)

Math Philosophy:
Mathematics is fun, hard work, and relevant to our lives.
Disciplined study leads to true understanding

Mathematics Department Mission Statement

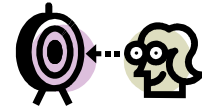
*“We believe that math is important to understand the world we live in and to open doors of opportunity.
As educators, we will strive to create a learning environment where all students can enjoy success.
In order to achieve that success, students and educators need to **attend, contribute, and demonstrate good character.**”*

Course Description:

The main goal of Algebra is to develop fluency in working with linear equations. Students will extend their experiences with tables, graphs, and equations and solve linear equations and inequalities and systems of linear equations and inequalities. Students will extend their knowledge of the number system to include irrational numbers. Students will generate equivalent expressions and use formulas. Students will simplify polynomials and begin to study quadratic relationships. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences. (Utah State Office of Education, State Core Curriculum)

Algebra I Learning Targets

- **Build and strengthen problem solving skills**
- **Improve number sense and operation skills with decimals, fractions, and percents**
- **Expand understanding of real number system to include irrational numbers**
- **Understand the characteristics of linear equations and inequalities including their graphs, tables, and applications**
- **Solve linear equations and inequalities and solve simple systems of each**
- **Investigate quadratic relationships and begin developing techniques to solve them**
- **Use algebraic expressions and linear equations to model real life data and situations**
- **Use technology effectively and appropriately**
- **Work effectively and honestly in a math learning community**
- **Increase confidence in personal math ability**
- **Find enjoyment in learning math**



The **PLAN** for student math success:

P Participate

Be in class, take notes, ask questions, and work with others.

L Learn

Answer these three questions when learning a new concept:

1. What did I learn today?
2. How does what I learned connect with what I already know?
3. Why am I learning this?

A Attitude

Yagottawanna! If you think you can or think you can't, you're right.

N Night One

Begin homework on the *first night it is assigned*

Needed Supplies:

- Notebook or binder to organize assignments and papers
- Scientific calculator
- Lined paper and pencils for each day of class

Course Expectations and Policies

I. ACTIVE PARTICIPATION IN CLASS EXPECTED!

Students need to actively participate in class in order to understand concepts and perform well on tests and quizzes.

- Active participation means giving full concentration during lessons, asking questions, taking notes, contributing to group discussions and tasks, and allowing yourself and others time to process new concepts.

II. QUALITY HOMEWORK EXPECTED!

Students need to do quality homework in order to understand concepts and perform well on tests and quizzes.

- Quality homework means:
 - reviewing concepts and problems missed on previous assignments
 - attempting every problem, showing work even if you can't find an answer
 - using notes and textbook to help work through the problems
 - using learning log to monitor progress on reaching learning targets
 - spending about 40 minutes to do the above for each assignment

III. HONESTY EXPECTED!

*Students **who do honest and quality** homework can expect to understand concepts and perform well on tests and quizzes.*

Students who cheat in any way can expect to know "nothing", feel like "nothing," and receive "nothing" as a score.

IV. RESPECT EXPECTED!

Students need to respect the teacher and fellow students in order to create a learning environment.



I follow the Timpanogos High School policy for electronic devices.

Cell phones, ipods, mp3s, etc., **NOT ALLOWED in the classroom!**

(If they are used or out during class, they will be confiscated and delivered to the principal's office and must be retrieved by a parent or guardian.)

V. Attendance and Tardy Policy

I follow the policy outlined by the Timpanogos High School. (Refer to THS Student Directory)

VI. Grading Policy

Tests 50% Quizzes 20% Assignments 30 %

Grades can be accessed daily on power school.

| | | | | | |
|----|---------|----|--------|----|---------------|
| A | 93-100% | B | 83-86% | C | 73-76% |
| A- | 90-92% | B- | 80-82% | C- | 70-72% |
| B+ | 87-89% | C+ | 77-79% | F | 69% and below |

Our goal is for all students to achieve success in this and future math courses. To achieve that success the THS Math Departments has set a minimum competence level of 70%. If during the first three terms a student's percentage is 65-69, for one term only that term's grade will be replaced with a "D-" if a grade of 73% or better is earned in the following term. (THS Mathematics Department Policy)

VII. Assignment Policy

- Homework assignments are due at the beginning of each class period
- Up to 50% credit for late assignments
- No late assignments for a unit are accepted after the test for that unit is given

VIII. Quiz and Test Policy

- All quizzes and tests are cumulative.
- **There are no retakes on quizzes or tests.** Students need to monitor their own progress on their learning logs and make sure they understand the material before a test is given.
- Students have one week to make up absent quizzes or tests.

Hours available outside of class: 7:15- 7:45am, 2:15- 3:00pm except Mondays

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