



Phone: 713-688-1361

Website: www.houstonisd.org/waltrip

STAAR Review – Math Models Course Syllabus 2022-23

Instructor: Reyes, Carina

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Room: 3213

Office Hours: Thursday 4:10 – 5:10PM by appointment only

Course Content

This course is an Algebra 1 STAAR review that will support students with the test. We will cover all tested Algebra 1 material.

Materials

- Laptop w/ Charger
- Headphones
- 3-Subject Notebook
- Pens/Pencils
- IXL Account

Communication

I will communicate with you regularly during class time through pre-recorded videos (only when I am out), small group interventions, discussions, email, chat, and canvas. You will also communicate with classmates via online tools or face to face as you collaborate on tasks. ASK and ANSWER questions during discussions to develop your speaking and listening skills.

Grading Policy

You will be graded on class participation and the work you submit to your teacher. Grading categories are as follows: assignments, projects, participation in class discussions, quizzes/unit tests, and final exam.

Attendance

Attendance is very important and will be taken daily in person.

Late & Make-Up Work

I will accept late work, with a 10% deduction each day it is late. If you are absent, it is your responsibility to view the calendar in the HUB to see what lesson you missed that day and complete it ASAP.

Unit Overviews

Unit 1: Number and Algebraic Methods

- Addition and subtraction of polynomials
- Simplifying numerical and algebraic expressions
- Applying mathematical processes to write, solve, and analyze equations
- Rewriting polynomial expressions

Unit 2: Describe and Graph Linear Functions, Equations, and Inequalities

- Graph the solution set of linear inequalities
- Determine the slope of a line
- Calculate the correlation coefficient between two quantitative variables
- Graph linear functions on the coordinate plane

Unit 3: Writing and Solving Linear Functions, Equations, and Inequalities

- Solve one-variable linear equations using the distributive principle
- Write systems of two linear equations given a table of values
- Write and solve linear equations
- Write the equation containing a given point being equal to a given line

Unit 4: Quadratic Functions and Equations

- Determine the domain and range of quadratic functions
- Write quadratic functions given real solutions and graphs of related equations
- Solve quadratic equations by factoring, using square roots, and using the quadratic formula

Unit 5: Exponential Functions and Equations

- Show an understanding of how to write or describe exponential functions
- Apply standard mathematical processes when using properties of exponential functions

Syllabus Acknowledgment

I have received the course syllabus.

Student Name: _____ Student Signature: _____

PRINT

Parent Signature: _____ Date: _____