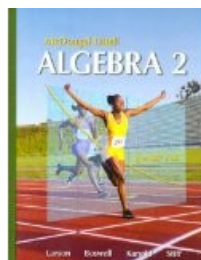


# Algebra 2 STEM

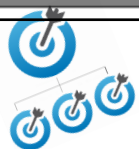
Develop a strong foundation for algebra, trigonometry & calculus through rigorous examination of functions



Mr. Waddell

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## Objectives



**MATHEMATICAL PRACTICES:** Develop a strong connection & habits of the 8 Mathematical Practices of the NVACS.

**FROM LINES TO RATIONALS:** Learners will develop the algebra necessary to construct structural similarities between the system of polynomials and the system of integers. This knowledge will then extend to include several non-polynomial functions.

**STATISTICAL SUMMARIES:** Create & describe visual displays of statistical data as well as developing instruments to collect statistically valid data.

**TRIGONOMETRY:** Learners will use the coordinate plane to extend the trigonometric functions to model periodic phenomena.

## A typical class

**YOUR DAY** will begin with question designed to make you think. This problem may or may not connect with ideas from the current class but is designed to create thoughtful responses.

**FROM THERE** we will work on building an understanding of the material together. This will occur through a variety of techniques including discussion, group work & writing.

**COMMUNICATION** is an essential component of doing mathematics. If you cannot communicate what your thinking is as you work through a problem your understanding will not be sufficient.

## Grading



**FINAL GRADES** are calculated on the scale of:

Final: 20%

Assignments: 10%

Quizzes & projects: 10%

Assessments: 60%

**THE STANDARD** Washoe County School District grading scale will be used.

**LATE WORK** is highly discouraged at the Honors level. No work will be accepted after the unit exam has been given.

## Expectations



**Be respectful • Be involved •  
Do your personal best • Actively listen •  
Never stop trying to learn**

**PLEASE REVIEW** the policies and procedures outlined in the Student Handbook.

<http://mrwaddell.net> for class resources!


## Required resources

- ◆ A notebook or composition book
- ◆ Pencils every day
- ◆ Access to the textbook; physical or online



## Suggested resources

- ◆ A graphing calculator (see me if you would like recommendations)
- ◆ An email address or phone to receive **Remind** notices

I use a service called  **remind** It is free & allows learners & parents to receive texts or emails about upcoming assignments and reminders. Best of all, I will never see your phone numbers & you will never see mine. Go to <http://mrwaddell.net/remind> to sign up for your class.

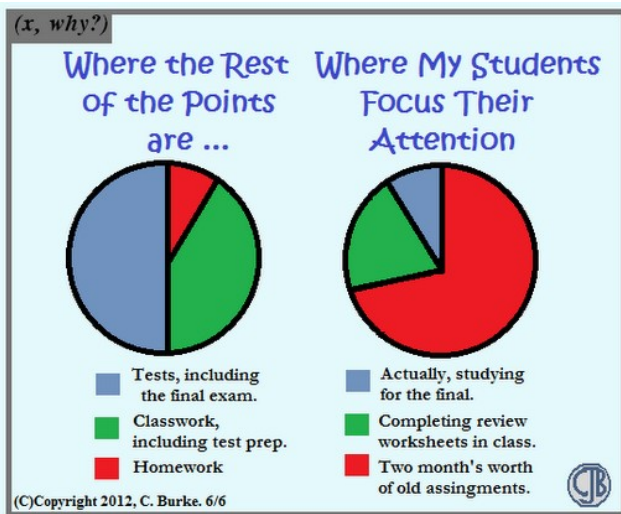
Progressive discipline policy ranges from warning and classroom consequences to referrals to the Support Office.

# Please sign and return this page.

It is an assignment, and is essentially free points, which is one of the ONLY times it will occur in this course.



I STRONGLY encourage all learners and parents to sign up for the Remind service. I will occasionally send out pictures of problems or notes; therefore a device that will have internet access is a good idea. You can sign up for the text option (the normal means of communication) as well as email if you don't get internet on the phone.



Assessments & tests are where the points are in this class. Make sure your learner KNOWS the content. They can't fake it. Doing the assignments when assigned, staying on top of the learning is how they will succeed.

Learner's Name: \_\_\_\_\_ Period: \_\_\_\_\_

Parent's or Guardian's name: \_\_\_\_\_

Preferred point of contact: \_\_\_\_\_ (email, phone, your choice)

I made sure my learner signed up for Remind: Yes No (circle one)

I chose to sign up for Remind as well so I would know what goes on & what is assigned in class: Yes No (circle one)