

Algebra II

Mr. Beickman Room #H118
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Welcome! Algebra II will build on the Algebra I concepts you have learned. It will also expand your knowledge on functions you haven't learned. We will work hard this year to make sure you have a great foundation for the math that is ahead of you. I need your commitment to work hard, focus on learning, and be brave! Don't be afraid of making mistakes.

Items you need for this course:

Notebook, Folder/Binder, Pencils, Whiteboard Markers, Graphing Calculator (TI-83 or 84) is HIGHLY recommended

Measurement Topics**

- MT 1 - Expressions, Equations, and Inequalities
- MT 2 - Functions, Equations and Graphs
- MT 3 - Linear Systems
- MT 4 - Quadratic Functions and Equations
- MT 5 - Polynomials and Polynomial Functions
- MT 6 - Radical Functions and Rational Exponents
- MT 7 - Exponential and Logarithmic Functions
- MT 8 - Rational Functions
- MT 9 - Sequences and Series
- MT 10 part 1 and part 2 - Periodic Functions and Trigonometry
- MT 11 - Probability and Statistics

**If necessary, the sequence and content of these Measurement Topics may be modified.

Classroom Policies

Attendance:

If you are absent, you are responsible for finding out what you have missed. Please check your email, with classmates, and/or with me for this information. You can look to our class calendar for assignments, due dates and links to important information.

Electronics:

Chromebooks may be needed every day. There may be days when we do not sure them, regardless please bring them charged and ready for use everyday.

Cell phones are not allowed. If you are using it during class, it will be collected and released to you at a later time (at the end of the hour or at the end of the day if the problem is ongoing).

Backpacks can be brought to class and put under your desk. When entering class, please get out the items you need and put your backpack under the desk. There should not be any reason to access the contents of your backpack while in class, except for emergency purposes.

Calculators will be allowed at teacher discretion. There will be some units or lessons where they are prohibited. Practicing your math without one is a great way to improve your basic skills and sharpen your number sense. I have some loaner calculators for when they are needed.

Expectations:

Follow the rules of the handbook and remember that Knight's Have:
Self-direction, Integrity, and Respect.

Food/Drink:

Food will be allowed (at teacher discretion) as long as there are no messes left behind.

Water bottles with water only are allowed in every hour. Any beverage must have a resealable lid.

Hall Passes:

You will receive 4 hall passes per term. These are used to exit the room for visits to the restroom, locker, drinking fountain, etc. Once these are used up, you will need to take a tardy for these trips.

Homework:

Will be given daily (electronically through Math XL and traditional paper and pencil) with the expectation that it will be completed the following day for recording, correction, discussion and clarification. If any work isn't completed as stated in previous sentence, it is due (at least) the day before the related Measurement Topic Test to earn credit for that/those assignment(s).

Tardies:

You must be in the room when the bell rings or you are tardy. Consequences will begin once you reach 3 or more tardies. If you have a pass, please present that upon entering the room.

Grading - Assessments and Evidence

Class Grade:

Your grade will be broken down 75% assessments and 25% Evidence.

Assessments:

Assessments are used to demonstrate your proficiency in a measurement topic. There will be a variety of practice and formative assessments before every test. You will need to demonstrate that you are proficient in the content before you will be able to take the test. You will need to achieve 60% on the measurement topics in order to get credit for the unit. If you do not achieve 60%, a ZERO will be entered in for the grade until a re-take** shows that you are proficient in the content.

** **Two week** Retake Policy will involve but not be limited to...

- Going through test with Mr. Beickman to better understand mistakes.
- Completing a retake assignment to demonstrate that you understand the mistakes that you made.
- Complete Math XL assignments to 100% (if not already)
- Once above items are completed, retake the test.

(More detailed information for retake policy may be requested)

Evidence:

Quizzes and Homework/Practice will serve as evidence of your understanding and skills, but I may choose to use other evidence as well. Quizzes usually occur every 3-4 lessons/purposes. We will practice our skills everyday in class as a whole, collaboratively with others, and independently with homework. Completion of this work is essential to help grow your skills and diminish any misconceptions before taking the assessment.

Assistance

Advisory:

Study hall or tutoring is available Tuesday AM and Thursday PM. I have 8 passes available each of these days. It is a first come first serve basis. Please come in the morning to check for pass availability.

7th Hour:

This is offered after school until 4:15 certain times of the week, but is dependent on the coverage of a math teacher. There is transportation home for students who are not school of choice. Those living outside the district can still attend, but will need an alternate mode of transportation to get home. Students needing school transportation must be on the schedule the day before.

Before/After School Help:

I am available most days

before school between 7:15-7:40.

After school between 2:40-3:15.

Please check with me and don't assume I am available as meetings do come up!

Online Resources:

Math XL for school - <http://mathxlforschool.com>

Khan Academy