Email: clblanton@munster.us (This is the quickest and easiest way to contact me.)  
Contact Times: 7th period, before and after school  
School Phone: (219) 836-3200  
Website: [www.mrsblantonmath.yolasite.com](file:///C:\Users\crystal.blanton\Downloads\www.mrsblantonmath.yolasite.com) – will move to moodle once I have course access  
Primary Resource: Algebra 2, Carter, Cuervas, Day, Malloy, Cummins McGraw Hill 2017  
Credit: 1  
Class Remind: text @blantonA2 to 81010

**Course Overview**

Prerequisites: Passed Geometry and “C-” in both semesters in Algebra I. Algebra II areas of emphasis are: solving equations and inequalities, graphing in two variables, factoring polynomials, radical expressions, rational expressions, logarithmic expressions, exponential expressions, series and sequences, and basic probability and statistics. Computational skills, deductive reasoning, and mathematical concepts developed in this course are useful in higher-level math and science courses. YOU MUST HAVE A C- IN BOTH SEMSTERS OF ALGEBRA 2 TO ENROLL IN TRIGONOMETRY. YOU MUST HAVE A B- IN BOTH SEMESTERS OF ALGEBRA 2 TO ENROLL IN PRECALCULUS. YOU MUST PASS BOTH SEMESTERS OF ALGEBRA 2 TO ENROLL IN PROB AND STATS.

**Course Outline**  
Chapter 1 Equations and Inequalities  
Chapter 2 Linear Relations and Functions  
Chapter 3 Systems of Equations and Inequalities  
Chapter 4 Quadratic Functions and Relations  
Chapter 5 Polynomials and Polynomial Functions  
Chapter 6 Inverses and Radical Functions  
Chapter 7 Exponential and Logarithmic Functions  
Chapter 8 Rational Functions  
Chapter 10 Sequences and Series  
Chapter 11 Probability and Statistics

**Course Materials**

**You will need to bring the following materials with you to class each day:**

Textbook

Pencils and erasers. Pencils ONLY will be used in class.

Loose-leaf paper and 1” binder (with dividers – See class notebook section of this syllabus for labels.)

Calculator – a TI-84 (or higher) graphing calculator is recommended

Graph paper

Binder dividers

*Class Notebook:* You will be required to keep a notebook (1” binder) containing definitions, explanations, and examples given in class; paperwork; investigations and other long-term projects. It should be organized, and each section should be labeled. Materials should be placed in each section in chronological order. This syllabus should be placed in the front of our notebook. Use binder dividers to divide your notebook into the following sections:

Vocabulary/Notes

Homework

Graded Tests/Quizzes

**Course Policies**   
*Absences and Makeup Work:* When you return from an absence, you are responsible for the following:

* Reference the website, [www.mrsblantonmath.yolsite.com](http://www.mrsblantonmath.yolsite.com), to find out what was missed.
* Turn in any homework that was due the day(s) of your absence. (Please turn in any assignments directly to me. DO NOT lay them on my desk!)
* Read textbook section or other material that was used as a resource during your absence.
* Borrow and copy any notes that you missed
* Update your class notebook.
* Turn in your makeup work.

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If you are absent one day, you will have two days to schedule and make up any assignments/assessments. If you are absent 2 or more days, you will have the same number of days that you were absent to make up any missed assignments/assessments. If you absence is unexcused you cannot make up the work for credit. Makeup assessments will be taken outside of regular class time. Please schedule with Mrs. Blanton.

*Classroom Rules/Expectations:* Algebra 2 is a class in which problems are solved in the same ways that mathematicians and other professionals solve problems. Therefore, you will be expected to act like professionals.

Be responsible for your work. Bring supplies, charged laptop, and homework every day.

Be in your assigned seat ready to work when the bell rings.

Cell phones, earbuds, and other technology should remain off and out of sight during class unless given specific permission by the teacher. There may be days when we will use these as learning tools so you will be allowed to use them on those days only.

Seek additional help if a topic seems difficult or requires alternative approaches to assist in your understanding. Please do not wait until your grade drops to seek help. If a topic seems difficult, ask for help! I would be happy to help you before or after school!

*Homework Policy:* Homework will be assigned almost every school day (including over weekends) in order to allow you to explore and practice what you are learning. Most homework has one or more of the following purposes:

*Practice* reinforces the learning of material already presented in class and helps you master specific skills.

*Preparation* provides supporting information—history, skills, definitions—for what’s forthcoming; it will help when new material is covered in class.

*Extension* or elaboration involves the transfer of previously learned skills to new situations.

*Integration* asks you to apply skills and concepts to produce a single product.

Unless otherwise specified, homework will be due the following class at the beginning of the period. For all homework:

* Show all calculations and work, even if you do it in your head or on a calculator.
* When you get stuck on a problem, solve it as far as you can, then write a short explanation of your difficulty.
* Review the textbook discussion of new topics prior to beginning any homework assignment.
* Use your class notebook as a resource.
* Late assignments will be accepted, but a penalty will be incurred.
* No homework or makeup work for a unit will be accepted after a test day.

**Reassessment Policy**

Students earning a D or F on a test may choose to reassess. The maximum score earned on a retest is a 70%.

* If you wish to reassess you must let Mrs. Blanton know of your plans and come in for MRT or before or after school to prepare.
* Students will have two weeks from the time the assessment is returned to them to complete the reassessment.
* The student must complete corrections to the original assessment as well as any missing assignments to be allowed to complete the reassessment.
* The score on the reassessment will replace the grade of the original assessment up to a maximum of 70%.

Reassessment Study Activities

If you expect to improve on the reassessment, you will need to work on mastering the material on that assessment.  After completing corrections to the original assessment and any missing assignments, the activities below are suggestions to help you be successful. If you have questions about anything, please see Mrs. Blanton

Sample Activities Possible

Complete missing assignments/formatives

Make flashcards

Create practice assessment

Tutoring with a teacher or student

Study notes for at least 30 minutes

Complete virtual activities provided to you by instructor

Design a review game

Make a poster explaining a topic or process

Complete review exercises in the text

Corrected summative/formative assessments

**Grading Policy**

Mathematics Department Grading Scale

A 93-100%

A- 90-92.99%

B+ 87-89.99%

B 83-86.99%

B- 80-82.99%

C+ 77-79.99%

C 73-76.99%

C- 70-72.99%

D+ 67-69.99%

D 63-66.99%

D- 60-62.99%

F Below 60%

*Grade Distribution:* Semester grades will be calculated as follows: 40% Quarter 1, 40% Quarter 2, and 20% final exam. 20% of each quarter grade will be determined by assignments and 80% will be determined by assessments. You will have a midterm exam worth 15% of your quarter 1 and quarter 3 grade.

*Types of Assessments:* Tests will be given at the end of each unit. Quizzes and learning checks will be given to form instruction and so that students may receive feedback to help them overcome any misconceptions. Projects may be assigned throughout the course.

\*This syllabus is subject to change at the discretion of the teacher.\*

**Student Information Sheet**

**Period\_\_\_\_\_\_\_\_\_**

*Signature(s):* Discuss this Algebra 2 syllabus with your parent(s) or guardian(s). Please sign and return to me by August 15th or before. I am looking forward to working with you this year.

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Student), have read, understand, and accept the Algebra 2 course syllabus and course expectations.

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Parent/Guardian), have read, understand, and accept the Algebra 2 course syllabus and course expectations.

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Student’s Signature Parent’s Signature

Parent/Guardian(s):

Please feel free to contact me via email [crystal.blanton@](mailto:crystal.blanton@boone.kyschools.us)franklin.k12.wi.us or telephone (414) 423 4640 at any time. I prefer to be contacted via email in that I will be able to respond to your concern more quickly, but will also return phone calls after school ends.

Thanks,

Crystal L. Blanton

Mathematics Teacher

Munster High School