

METROPOLITAN BUSINESS ACADEMY 2019-2020

TEACHER CONTACT INFORMATION

Teacher: Ms. Krisavage

Email: veronica.krisavage@gmail.com (students)

Call or text: (203) 667-4241

A1 Google Classroom Code: tvted8o

Extra Help: Tuesday and Wednesday, 2:30 to 4:30

Course: Algebra II

veronica.krisavage@nhboe.net (parents)

B2 Google Classroom Code: wfbtmu

If we believe that we can learn, and our mistakes are valuable, our brains grow to a greater extent when we make a mistake.

Jo Boaler

No matter what your current ability is, effort is what ignites that ability and turns it into accomplishment.

Carol S. Dweck

COURSE OVERVIEW

What You Will Learn

There are two key things to remember about Algebra II. The *first* is that everyone can get better at math if you put effort into it. The *second* is that mistakes are important to the learning process. Mistakes grow your brain, which in turn helps you get better at math.

Course Standards:

1. Represent and solve systems of equations and inequalities
2. Understand the concept and key characteristics of a function and use function notation
3. Build and evaluate new functions from existing functions (Combining and Composite)
4. Evaluate, interpret and graph piecewise functions
5. Find and write inverse functions
6. Evaluate and graph absolute value functions
7. Identify key characteristics of quadratic functions algebraically and graphically
8. Perform arithmetic operations with complex numbers
9. Solve quadratic equations
10. Identify key characteristics of polynomials

21st Century Competencies:

1. Problem Solving and Critical Thinking
2. Accessing and Analyzing Information
3. Communication and Collaboration
4. Creativity and Innovation
5. Initiative, Leadership and Accountability
6. Citizenship and Responsibility

Title of Performance Task	Description of Performance Task	Content Standards met by Performance Task	21st Century Competencies met by Performance Task
Mastery Quizzes and Tests	Algebra II skill tests	#1 - 7	#1

Title of Performance Task	Description of Performance Task	Content Standards met by Performance Task	21st Century Competencies met by Performance Task
Problem of the Month	Problems of the month are real world problems to which students must apply mathematical knowledge and common sense. These will be assigned at the beginning of each month. The problem write-up must be completed and handed in by the last <u>class</u> day of the month.	#1 - 7	#1, 5
Projects	Students will be assigned projects in some units that involve the application of knowledge acquired in class. These may involve individual or group work and students will be given time during class to complete the projects.	#1 – 5	#1 – 5

MASTERY GRADING OUTLINE

This course uses mastery-based grading. On Powerschool you will see mastery codes, a green checkmark, a 0, or a dash. A green checkmark means the item is complete and has been handed in. A zero (0) and an orange dot means the item has not been turned in or completed, including assignments you've missed due to absences. A dash (---) might appear in place of a green checkmark or other codes if you use certain types of cell phones, so we recommend checking your Powerschool on a computer. The mastery code meanings are below. Your goal is to reach competent or above on all major tasks for the year.

Score Codes	Mastery Language	Progression towards Standard	Numerical Grade
XE	Exemplary	Exceeds Standard with Distinction	100
CO-XE	Competent/Exemplary	Exceeds Standard (revise for exemplary)	93
CO	Competent	Meets Standard (revise for exemplary)	85
EM	Emerging	Approaches Standard (needs revision)	70
NY	Novice	Not Yet (needs revision)	60
NE	No Evidence	No Evidence of Work Yet	50

HOW THIS CLASS WORKS

Warm-Up: Class warm-ups will be given EVERY class to help you and I assess your understanding of Algebra II skills and concepts. These will be found in a folder on the side wall as you walk in. Each student will be required to complete and present two of the warm-up problem each trimester.

Classwork/Homework: Homework and class work are the tools used to practice and improve your skills. Use the feedback given on these assignments to analyze your mistakes and help you master the skills. Once we have moved to a new skill missing assignments will not be accepted unless they are used to prepare to retake a mastery quiz or test.

Revision of Work – Students should strive to achieve a grade of at least Competent on Mastery Tests and Problem of the Month assessments. Feedback will be provided on these assessment and students may revise the work and resubmit it for regarding.

For POTM, revisions of write-ups may be submitted provided the POTM is handed in prior to the end of the month.

For Mastery Tests, if students do not meet or exceed standard on a skill, they may revise it after completing the following steps:

1. Completing an Error Analysis sheet (for mastery tests)
2. Showing evidence of studying (re-working classwork, working on Khan Academy)
3. Attending an After-School Support session with me.

Grading Breakdown

- Formative Assessments (Warm-ups/Class work/Homework/Class Participation): 20%
- Summative Assessments: (Projects, Mastery Quizzes and Tests) 40%
- Problems of the Month: 40%

Portfolios: You will have a mastery folder for your course portfolio. This folder will be kept in class and should contain all of your graded assessments (POTMs, mastery quizzes and tests). Assignments in your mastery folder may be work you use during your Student Led Conferences (SLCs) to demonstrate 21st Century Skills such as Critical Thinking and Problem Solving or Initiative and Self-Direction, and Accountability.

Website:

We will be using Google Classroom in Algebra II. I will be posting updates and assignments on Google Classroom. Codes for each section of Algebra II are listed at the top of this syllabus. Students must sign into the Google Classroom using their NHPS Google Account. If students do not know their NHPS account, please see me. Extra of class handouts will be in the class folders at the back of the room. If you are absent, it is your responsibility to get the work you missed and see me if you have questions. There are no makeup packets; I will not print copies for you.

SUGGESTED SUPPLIES

For this course you will need the following:

- Something to write with - pencils are preferable, to make corrections more easily
- A binder, with notebook paper, that can be used for notes and to hold homework and other classwork assignments.
- *Optional* - a Texas Instrument TI-84 Plus Graphing Calculator. We have some calculators in class but if you plan on taking PreCalculus, Calculus, or attending college (where most math classes require a calculator), it is recommended you purchase your own. Check for sales at Target, Staples or Wal-Mart after the school year starts. Used calculators can also be found on EBay.

KEYS TO SUCCESS IN THIS CLASS

Respect – Respect is the foundation for a successful classroom environment. Respect the time you have been given to learn Algebra II; your own goals and those of your peers, as well as the physical classroom and tools we have been given at Metro.

Communication – Students should speak up if they do not understand my instructions or expectations. I can only help if I know a student is struggling.

Integrity - Copying someone else's work in this class will not help students master the skills needed to succeed in Algebra II. This includes copying another person's classwork, warm-up, homework, test or problem of the month explanation. Plagiarism such as this will not be tolerated and work judged to be plagiarized will not be accepted. This is true for the person copying the work AND the person who allows their work to be copied.

Substitutes – If I am out of school for any reason I ALWAYS leave work for my students. If there is a substitute, students are expected to be respectful, sign the class attendance sheet, take the work from the wall, complete the work, and leave it in the completed bin. Please listen to the sub, and follow the rules!

Electronics – During class phones should be kept on silent (vibrate) and out of sight. Instructions will not be repeated if students miss what is happening in class due to their phone use.

Tear off the bottom of this page, complete and return it to Ms. Krisavage

Algebra II - Ms. Krisavage

A1 – Algebra II

B2 – Algebra II

I, _____, understand the work that will be required of me in Algebra II,
(Student name – please print)

as well as the behaviors that will maximize my chances to succeed. I specifically acknowledge that phones are to be kept on vibrate and out of sight during class.

Signature Date: _____

I, _____'s parent/guardian, also understand what is expected in this class.

Should there be any concerns about his/her work or behavior in class I should be contacted via email

at: _____ or by phone or text

on: _____.

Signature Date: _____