

Algebra II Syllabus

Teacher: Justin Scott
justin.scott@murray.kyschools.us

Textbook: Algebra 2 Common Core 2012 (Pearson)
Glencoe Algebra 2 (occasional use)

Prerequisite: Geometry

Teacher Websites: <http://scottmathmhs.weebly.com/>
Google Classroom

- Resources:**
- 1) **Google Classroom** – Notes, Homework, Videos, etc. will be made available through Google Classroom
 - 2) **Tutoring** – I am available each morning from 7:35 – 8:05 for tutoring and can be available after school by appointment only. If your grade for the 9 weeks is below a 70%, you may receive 1 point for each hour in tutoring up to a 70% C or 10 points added per school policy.
 - 3) **Videos**
 - i. <http://scottmathmhs.weebly.com> has Mr. Scott's videos for each unit learning objective
 - a. Google Classroom will also contain this video playlist per unit
 - ii. www.khanacademy.org has excellent free searchable videos

Materials: Three ring binder (Notes, Homework Worksheets, etc.)
TI-83, TI-83 Plus, TI-84, or **TI-84 Plus** graphing calculator (**highly recommended**, but not required) – Murray State recommends a TI-84 Plus or TI-84 Plus CE

Course Units:

- Unit 1 – Linear Equations and Inequalities
- Unit 2 – Sequences and Series
- Unit 3 – Quadratics
- Unit 4 – Polynomials
- Unit 5 – Radical and Rational Exponents
- Unit 6 – Rational Expressions and Equations
- Unit 7 – Exponential and Logarithmic Functions and Equations
- Unit 8 – Probability
- Unit 9 – Matrices
- Unit 10 – Trigonometry (Time permitting)
- Unit 11 – Conics (Time permitting)
- Unit 12 – EOC Review

Assignment Weights for Algebra II

Summative Test – 55%
Formative Quiz – 35%
Homework – 10%

MHS Grading Scale

A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	59 and below

IMPORTANT DATES:

March – Statewide ACT date for all juniors in KY

December Final – 10% of your semester grade (Q1 Quarter Grade = 45% and Q2 Quarter Grade = 45%)

May Final – 10% of your semester grade (Q3 Quarter Grade = 45% and Q4 Quarter Grade = 45%)

A copy of the Algebra 2 Honors syllabus and the Algebra 2 Lab syllabus (if applicable) remains available in your Google Classroom(s) for future reference throughout the school year and may be found at the following website. Please read the syllabus (or both syllabi if applicable) carefully and let me know if you have any questions!

Links to syllabus as the last page will be returned to teacher:

Algebra 2 Syllabus: <http://scottmathmhs.weebly.com/algebra-2-syllabus.html>

Algebra 2 Lab Syllabus: <http://scottmathmhs.weebly.com/algebra-2-lab-syllabus.html> (If applicable)

Cell Phone Policy (Cell Phone Free Zone)

Place your phone, earbuds, smart watch, etc. in the wooden cell phone box as you enter the room. You may only use them during times explicitly stated by the teacher. You may keep your device(s) on your person, but are not allowed to use them and they must remain **out of sight**. Failure to do so will be considered a classroom cell phone policy violation. **Note:** All devices **must** be put in the boxes on quiz and test days.

Classroom Violation: Classroom Offense = Student required to place device(s) in the wooden box

**Repeated classroom violations will result in escalated consequences as determined by teacher.

Refusal to place phone in box: School Offense(s) = Office referral completed

Hall Pass Policy

Each student is provided 3 hall passes per nine weeks. Additional hall passes are available, but will require the student to make-up lost instructional time by attending 15 minute tutoring sessions for each additional hall pass above the allotted 3 hall passes per nine weeks.

Excused Absence Policy

In the event of an excused absence, students are allowed the number of excused absent days as marked in Infinite Campus (plus one day) to complete missing items before these items will be marked as missing (0%) and late penalty points deducted if submitted after this date. For example, if a student missed 3 days and that included a quiz and test, he/she must plan accordingly to take both items by the 4th day of returning to class.

Exception: If a student's only absence was the day of a quiz, they are expected to submit their missing homework **and** be ready to take the quiz the day they return as instruction/homework should have been completed long before this day.

Formative Homework (10%):

DO NOT BE MISLED BY THE 10% WEIGHT. While homework is a small portion of a student's quarterly grade, it is the cornerstone of each unit. Homework is the responsibility of the student to complete on a daily basis. However, homework will be collected on an interval basis, based on the timeline of the unit. Students who demonstrate an inability to meet the flexible timeline will be required to turn in homework on a regular basis (every other day or so as instructed).

Homework grades are a measure of **your effort to learn**. Classroom observations of your daily work and quiz results demonstrate that effort and the ultimate learning. Homework grades should reflect that effort to learn and not just be an activity of putting pencil/pen to paper. Therefore, any quiz grades below 70% are subject to homework point deductions regardless of completion status of the homework.

Therefore, your homework grade could be graded as 50%, 60%, 70%, 80%, or 90% as determined by your quiz score and classroom observations regardless if all questions in the homework packet are completed. Maybe someone helped you complete parts of the homework, maybe you copied them down while we went over the homework in class, or maybe you copied the answer keys or someone else's work. Regardless, if your quiz score, bellworks, and other classroom observations have shown your effort was not 100%, your homework effort grade could reflect this effort even if there are answers to each homework problem are submitted.

However, if you **completely** finish quiz corrections prior to the unit test date, your homework grade will be changed to 100%. Otherwise, your homework effort grade will remain as graded.

Homework Checks: Homework checks will be used as needed in units. When in use, "last night's homework" will be checked on a daily basis. Failure to complete 50% of the homework assigned from the night before will result in a mandatory assignment to morning tutoring in my room. You will have the next 2 school days to serve that mandatory morning tutoring before it is turned into an office referral for classroom policy violation.

Deadlines: Homework is due on the date announced in the unit (usually the day of the quiz over that set of homework). Late homework will be given a maximum of ½ credit and will not be accepted after the unit test.

Formative Quizzes (35%):

On the first day of a unit, students will be given a unit planning sheet which outlines the new vocabulary, learning objectives (LOs), and a timeline for instruction/assessment. Roughly ½ way through the unit, students will take a quiz over the LOs covered thus far. Students will take another quiz over the remaining LOs near the end of the unit. Students will be allowed to make corrections on the LOs missed for each quiz via “ticket problems” and ultimately retaking the portion of the quiz covering the LOs they previously missed to earn ½ of **their points back on the assessment**. For this reason, I will have prepared two versions of each quiz. The first, students will answer all questions. Students are assigned practice problems (ticket problems) based on the problems missed on this quiz that a student must complete correctly and show to the teacher as their ticket to retake that portion of the second version of the quiz for ½ of their points back (**this may only be done during the FLEX day or during tutoring**). **All quiz corrections must be completed prior to the summative test.**

Summative Test (55%):

Each unit will have a culminating test over all of the learning objectives covered in the unit. Beginning with Unit 2, there will be approximately 4-5 multiple choice items from previous unit(s). This test is summative and all grades are final. **No corrections, bonus points, extra assignments, etc. will be offered to improve the summative test grade.** Instead, the test itself will have anywhere from 5-10 built-in bonus point opportunities in the form of additional questions for which the student may choose to answer or not answer.

Four cumulative benchmark exams will be given quarterly. The 1st and 3rd benchmark exams will count in the summative test column of that grading period. The 2nd and 4th will respectively count as the 1st and 2nd semester final (worth 10% of the semester grade). Students with a current semester grade of 90% or higher are exempt from semester finals – may choose to take and only count if score helps their semester grade.

Classroom Expectations

- 1) Be on time and prepared for class. (i.e. 3-ring binder, calculator, pencil/pen, etc.)
- 2) Treat each other with respect.
- 3) **During Direct Instruction (Lecture)**
 - a. Have materials ready prior to the beginning of direct instruction
 - b. Take notes and ask questions during instruction
 - c. Do not talk or distract others during this time.
- 4) **During Group Activities – Working in groups is a privilege that may be revoked.**
 - a. You may choose your groups of no more than 4, but you must remain on task.
 - b. Talking is ENCOURAGED, but must be on topic! Discuss your thoughts and ideas with group members during this cooperative learning time. Whether you know or don't know, your job in the group is to simply tell your group members what you're thinking. This opens the lines of communication for learning to take place!
 - c. Moving about the room is ENCOURAGED, but again must be for an on topic reason! Unless otherwise stated, you may incorporate the help of another group in your problem solving.
- 5) **During Tests and/or Quizzes**
 - a. Absolutely no talking, no sharing calculators, or any form of communication with your neighbors
 - b. Use a cover sheet to cover your test/quiz as you work
 - c. Begin working on secondary assignment at your desk once you have turned in your assessment.

If you're not making mistakes, you're not trying hard enough. – Vince Lombardi

This will be one of the more demanding math courses you have taken to this point in your education. I do promise you that if you take care of the things in your control (i.e. homework, practice quizzes, quiz corrections), your grade will be no less than a C and your ACT score will reflect your hard work!!!

SIGNATURE PAGE

By signing below, you are stating that you have read and understand the information provided on the first three pages of the Algebra 2 syllabus and the Algebra 2 Lab syllabus (if applicable). Please list any concerns or questions below the signature lines with your preferred contact information. I will respond as soon as possible.

Student Signature: _____ Date _____

Student Printed Name: _____ Class Period(s) _____

Parent Signature: _____ Date _____

Parent Printed Name: _____

Parent Preferred Method of Contact: Email Phone Other, please specify: _____

Email: _____

Phone: _____

Other: _____

Questions/Concerns:

**Please return this page to Mr. Scott. Thank you!*