Algebra II Syllabus

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

Prerequisite: Geometry  
Teacher Websites: http://scottmathmhs.weebly.com/  
https://classroom.google.com/c/Mzc0MjE3ODQ2MjZa


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 78%, you may receive 1 point for each hour in tutoring up to a 78%.

3) Videos
   i. http://scottmathmhs.weebly.com has Mr. Scott’s videos for each unit learning target
   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
Graph Paper (small amount needed)

Course Units:
Unit 1 – Sequences and Series
Unit 2 – Linear Equations and Inequalities
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%

MHIS Grading Scale
A 94-100
B 86-93
C 77-85
D 70-76
F 69 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%)

Cell Phone Policy (Cell Phone Free Zone)
Place your phone/smart watch in one of the charging boxes as you enter the room. You may only use them during times explicitly stated by the teacher. You may keep your device on your person, but it must remain out of site unless explicitly stated by the teacher. All devices must be put in the boxes on quiz/test days.

Treat the classroom like driving a vehicle and the charging box like the glovebox of your vehicle. Without the self-discipline to ignore your device(s) while driving, you should put them out of reach (in the glovebox). If you have the self-discipline to not look/respond to that text while driving, then you may keep your cellphone near the driver seat because you know you will not allow yourself to be distracted while driving. The box in the
front of the room is the “glovebox” of the classroom. Failure to follow these guidelines can have drastic consequences while driving. Failure to follow them in the classroom will have the following consequences:

1st Offense: Classroom Offense = Warning documented in gradebook
2nd Offense: School Offense = Office referral completed and device taken to front office
Additional Offense(s): School Offense(s) = Office referrals completed and device taken to front office

Academic Honesty
Be proud of your own work and accept responsibility for that work. Cheating or plagiarizing is strictly prohibited. You are not permitted to share/copy answers from other students’ work. You are not permitted to copy work directly from the provided homework answer keys; they are for checking the accuracy of the work you attempted.

Any student found to be in violation of the academic honesty policy will receive a zero on the assignment and parent(s) will be notified. The violation will also be submitted to the office for appropriate documentation as stated in the student handbook academic policy.

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 80% 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 of what was written on the paper submitted as your homework packet. 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, your quiz score, bellworks, and other classroom observations have shown your effort was lower than 100% even if there are answers to each homework problem.

However, if you completely finish quiz corrections, your homework grade will be changed to 100%. Otherwise, your homework effort grade will remain as graded based on quiz results and classroom observations.

Homework Checks: Homework checks will be used as needed in units. When in use, they will be regular (almost daily) homework checks of the previous night(s) homework. 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 3 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 targets (LTs), and a timeline for instruction/assessment. Approximately ½ way through the unit, all students will take a quiz over the LTs covered thus far. Again, students will take another quiz over the
remaining LTs near the end of the unit. Students will be allowed to make corrections on the problems missed for both of these quizzes, called “ticket problems.” Students will then be allowed to come to tutoring to retake the problems over the LTs they previously missed to earn \( \frac{1}{2} \) 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. Any LTs missed will have practice problems (ticket problems) that a student may complete correctly and show to the teacher as their ticket to retake that portion of the second version of the quiz for \( \frac{1}{2} \) 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.

MathXL grades are part of the formative quiz grade. MathXL is an online software program that tutors and assists students in learning the content within the unit. It has been used at Murray State with great success and was used at MHS over the past two years with great success! Math XL assignments are due at midnight on the day before the summative test; thus all unit preparatory assignments are completed prior to the summative test.

**Summative Test (55%)**

Each unit will have a culminating test over all of the learning targets covered in the unit. There will also be approximately 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 after the day of the summative test. 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).

**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 most 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, quiz corrections, MathXL), your grade will be no less than a C and your ACT score will reflect your hard work!!!*
SIGNATURE PAGE

The first pages of the Algebra 2 syllabus are available online at the following locations or on paper at school. Please fill out the information below and return to Mr. Scott.

   a. Some students are enrolled in both Algebra 2 and Algebra 2 Lab and will need to review both syllabi before signing below
3. 1st Assignment on Google Classroom
   a. Go to Google Classroom and enroll in the Algebra 2 Honors class using the code 2eqocb

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!