

Algebra II Course Syllabus

2016 - 2017

Course Information: This course is a continuation of the topics studied in Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will extend their knowledge of data analysis and numeric and algebraic methods. **Students must successfully complete Algebra II prior to taking a higher math class. This course (or the Pre-AP level) is required for a Distinguished Level of Achievement or STEM Endorsement.**

Teachers Information:

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Text, Readings, Materials: *Big Ideas Math Algebra 2*—it is the student's option to check out a hard copy of the book through Mrs. Martinez or they must use the digital/online textbook. To access the digital/online book you must receive a code from your teacher. Notes, worksheets, reviews, etc. can be accessed through edmodo.com using the access code: **sn9w8w (this code will change on August 31)**

Supplementary Readings/Materials: For extra assistance, visit:

- www.algebra.com
- www.khanacademy.com
- iTunesU Library - additional free Algebra 2 books are available for reference
- Any college algebra book from a used book store

Materials: Students are suggested to have:

- *notebook paper*
- *a notebook to keep notes and work*
- *graph paper or graph paper spiral*
- *pencils /pens*
- *1 box of Kleenex*
- *a calculator or 2 AAA batteries if using the school's calculator**

*A class set of calculators are provided for student use during class time only. These calculators will not be checked out to students at any time during the semester. Please sign and date the Calculator Contract on the attached addendum. Calculators are available for checkout through the library. Although it is not required, it is advised that students purchase their own TI-84 plus graphing calculator.

Course Policies

Tardy: See MHS Student Handbook; all procedures will be adhered to. Make sure you are aware of and understand the policies. (*Tardy = first 19 minutes of class*)

ABSENCES: See MHS Student Handbook; all procedures will be adhered to. Make sure you are aware of and understand the policies. (*Absence = missing 20 minutes of class or more – beginning, middle or end*)

Class participation and Work: Students are expected to participate each class meeting. Participation consists of actively learning by taking notes, asking content specific questions, completing class assignments, and being prepared for class. Students are expected to complete all assignments by the given deadlines. A penalty of 30 points will be assessed to work late one class period. **Work will only be accepted in pencil, blue or black ink.**

Missed tests or assignments: If a student has an excused absence on the day a test, quiz or assignment is due, the student will be expected to submit the work upon the students return to class. For example, if a student is absent one day and a test is administered in class, then that student is expected to make up the exam on the day they return to class. For multiple absences on continuous days, arrangements should be made with the instructor to determine deadlines for missed work. *It is the student's responsibility to obtain make work.*

Academic Dishonesty: Students are expected to uphold honorable character and actions in relation to class work, assignments, and assessments. Students must show work and not submit assignments with answers only unless instructed by the teacher that it is acceptable. If a student is caught cheating on their work, the discipline will follow the MHS Student Handbook.

Grading: The district grading policy stipulates the following category percentages for all Algebra II classes.

Six Weeks Average: Tests: 50% Quizzes: 30% Daily Work: 20%

Re-Test:

- If a student scores a 60 – 69 on a test, they will have two days after receiving the grade to come in and correct the problems missed for up to a 70.
- If a student scores below a 60 on a test, they will have four days to come in for tutoring and to take a new test for a no higher than a 70.
- Testing after school will be for the same number of minutes given for the classroom test.

TUTORIALS: Each teacher will set tutorial times for their classes. If your schedule conflicts with the given times/days of your teacher's tutorials then you may attend another math teacher's tutorials. Student **must bring their materials to tutorials**, to receive help.

Hamilton	Room W10	Monday and Wednesday 3:00 to 4:00, and by appointment other days
Thorley	Room W1	Tuesday and Thursday 2:55 to 3:25 and by appointment other days
White	Room W6	Tuesday and Thursday 2:55 to 3:25 and by appointment other days
Witherspoon	Room W7	Tuesday through Thursday – 3:05 to 3:35 and by appointment other days

Advisory Period and Math Lab are other opportunities during the school day for students to receive help with their math class. They must obtain a pass from their teacher to access these opportunities for help with their math class.

Calendars

Every six weeks a calendar will be posted on edmodo.com . These calendars are subject to change when teachers feel it is necessary.

Name: _____ Block: _____ Average: _____

<i>MONDAY</i>	<i>TUESDAY</i>	<i>WEDNESDAY</i>	<i>THURSDAY</i>	<i>FRIDAY</i>
<i>Aug. 22</i> <i>Introduction to Class</i> <i>Interval and Inequality Notation</i>	23	24 <i>Domain and Range</i>	25	26 <i>Domain and Range</i>
29	30 <i>Quiz: Notations and Domain and Range</i> <i>Transformations in Words</i>	31	<i>Sept. 1</i> <i>Transformations with graphs</i>	2
5 LABOR DAY 	6 <i>Test Functions</i>	7	8 <i>Graph Linear and Absolute Value Functions</i>	9
12 <i>Linear Modeling</i>	13	14 <i>Linear Regression</i>	15	16 <i>Quiz: Linear Functions</i> <i>Solve Absolute Value Equation</i>
19	20 <i>Solve Absolute Value Inequalities</i>	21	22 <i>Quiz: Absolute Value</i> <i>Solve Systems by Graphing</i>	23 <i>No School</i> <i>Teacher work day</i>
26	27 <i>Test: Linear and Absolute Value</i>	28	29 <i>Substitution Method</i>	30

Classroom Information

LEAVING THE CLASS:

1. If you need to go to the restroom before class but are concerned you may be tardy, please ask for a pass so you will not be counted tardy.
2. If you need to go to the restroom during class, please wait until the lesson is over so you will not miss anything.
3. You will not be allowed to go to your locker at the beginning of class. If you have forgotten anything, then you will just have to do without.
4. **NO ONE WILL BE ALLOWED TO LEAVE THE CLASS TO GO TO A VENDING MACHINE.**

CLASSROOM EXPECTATIONS:

1. Appropriate learning environment behavior is expected.
2. Appropriate personal behavior is expected.
3. All school rules will be enforced. (dress code, cell phones, I-pods, I-pads, and MP3 players, etc.)
4. A positive attitude is expected.
5. Come to class prepared to learn.
6. Students will be allowed to have **bottled** drinks.
7. Student may have snack food (based on health of students) if it is for them individually and it does not distract from their learning. **No outside food like Sonic, Chicken Express, etc. will be allowed.**

CLASSROOM PROCEDURES:

1. Before the bell rings please be sure to have your notebook, and any other appropriate material out and ready to begin class. *All purses and bags must be on the floor under a student's seat.* No purses or bags are allowed on tables or in a student's lap.
2. Technology (iPads, phones, etc) will be addressed on an individual teacher's preference.
3. When the bell rings please be in your seat or on the way to your seat.
4. Whenever I am standing at the front of the room or sitting at the overhead that is your signal that I am beginning the lesson or that I need to make an announcement, so please give me your undivided attention.
5. During the lesson you are expected to pay attention and participate.
6. When an assignment or practice problems are given you are expected to begin working on them immediately. You will be allowed to work with a partner, so long as you are working and any other conversation is kept to a minimum.
7. I will dismiss the class not the bell. You are not to leave your seat and stand by the door at any time during the class. No class will be dismissed until all calculators are returned to their proper places.

ASSIGNMENTS/CLASS WORK:

1. All papers must include a full name, class period, date, and assignment title.
2. All work must be shown neatly and orderly. Work will only be accepted in pencil, blue or black ink.
3. Homework will be picked up at teacher's discretion, with notice given when a paper will be picked up.
4. Quizzes and notebook checks will be given at a teacher's discretion. All quizzes will be announced at least one class period prior to the quiz, unless the teacher feels a pop quiz is necessary.

All classwork, quizzes and test must be completed in the 90 minute class time, except for special cases. This also applies to students who choose to come after school and take a missed quiz or test. You will only be given the same amount of time as the students in class had to complete the work.

Thank you for your support and help in making this school year a positive experience and success for your student.

Printed Student Name: _____ Calculator Number: _____

Math Department Calculator Contract

Every student will have a TI-84 calculator available for them to use during class time. Once a student and his/her parent signs this contract and the student brings in 2 AAA alkaline batteries, they will be issued a calculator. If a teacher observes a student either using a calculator inappropriately or damaging a calculator in any way the following consequence will occur: the student will lose school graphing calculator privileges for the remainder of the school year and could be required to pay a fine up to the value of the calculator for any damage caused

In the event that a student loses a calculator, they must pay for the replacement cost of the calculator. Approximate cost for a TI-84 calculator is \$110.

Students must always use the same calculator assigned to them while in the classroom and notify their teacher immediately if there is any prior damage to the calculator. Students are responsible for the calculator assigned to them during a class period whether they are using the calculator or not.

Students who already own a graphing calculator may wish to have their parents sign this contract in case they forget their calculator or the batteries died. Please write BACKUP on this form and no specific number will be assigned for their daily use.

By signing here, I understand that I am responsible for the calculator I use during class. I will pay for the replacement of that calculator if it is lost or damaged.

Student Signature

Parent Signature

I acknowledge that I know where the Algebra 2 syllabus is located and am aware of the policies, rules and expectations for the class.

Student Signature

Parent Signature