

## Pre- AP ALGEBRA 2

### 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. In addition to the material usually covered in Algebra, topics will be expanded and taught at a more rigorous, in-depth level. Emphasis will be placed on the application of concepts and skills introduced in Algebra II. The level of instruction/curriculum will focus on preparing the student for further advanced placement courses. **Students must successfully complete Algebra II prior to taking a higher math class. This course is required for a Distinguished Level of Achievement or STEM Endorsement.**

#### **PAP Algebra 2 Teacher Information:**

Angela Frazier

[angelafrazier@misdmail.org](mailto:angelafrazier@misdmail.org)

Conference: 1<sup>st</sup> block & 5<sup>th</sup> block 7:25 – 8:55am

Debbie Witherspoon

[deborahwitherspoon@misdmail.org](mailto:deborahwitherspoon@misdmail.org)

Conference: 1<sup>st</sup> block 7:25 – 8:55am & 6<sup>th</sup> block 9:00 – 10:30am

**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 the student will receive a code from their teacher. Notes, worksheets, reviews, etc. can be accessed through edmodo.com using the access code: [6ttddr \(this code changes on Aug. 31\)](#)

**Supplementary Readings/Materials:** For extra assistance, visit:

- [www.algebra.com](http://www.algebra.com);
- [www.khanacademy.com](http://www.khanacademy.com)
- iTunesU library for other free Algebra 2 books to use for reference
- Any college algebra book bought at a used book store

**Materials:** Students are required to have:

- *notebook paper*
- *3 ring binder for keeping notes and work*
- *graph paper or graph paper spiral*
- *pencils/pens*
- *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. Please sign and date the attached Calculator Contract if you need to use a school calculator. 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 = missing up to first 20 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 more than 20 minutes any part of class: beginning, middle or end*)

**Class participation and Work:** Students are expected to participate during each class. Participation consists of actively learning by taking notes, asking content specific questions, completing class assignments, working with other students at appropriate times, 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 late work turned in the next class day. ***No alternative assignments will be offered to replace missing work.***

**Missed exams 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 on the day a test is administered in class, 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 their make up 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. See MHS Student Handbook for further details.

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

Six Weeks Average: Tests: 60%      Quizzes: 30%      Daily Work: 10%

### **Re-Test:**

- If a student scores a 60 – 69 on a test, they will have two school 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 school days to come in for tutoring and to take a new test for a no higher than a 70.
- Testing and quizzing after school will be for the same number of minutes given in the classroom to take the same test or quiz.

**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. There will be no retest or make up quiz/test during tutorial time.

Mrs. Frazier      Monday – Friday      3:00 to 3:30

Ms. Witherspoon      Tuesday – Thursday      3:05 to 3:35 or by appointment on 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.

## CLASSROOM INFORMATION

### LEAVING THE CLASS:

Class time is very valuable and students should make every effort be in class for the entire 90 minutes.

1. If you need to go to the restroom before class but are afraid you may be tardy, please ask for a pass so you will not 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.

### CLASSROOM EXPECTATIONS:

1. Treat everyone you encounter with the highest respect.
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. Technology (iPads and cell phones) will be used for ***approved instructional purposes as allowed by the teacher.***
5. A positive attitude is expected.
6. Come to class prepared to learn.
7. Students may bring drinks into class as long as they have a lid.
8. Students may bring individual snack of food ( based on health of class ) which will not cause any distractions to their learning. ***No outside food from Sonic, Chicken Express, etc. will be allowed in class.***
9. Students are expected to leave the room neat and clean.

### CLASSROOM PROCEDURES:

1. When the bell rings students will have a warm-up problem(s) that they should begin on immediately.
2. During the lesson you are expected to pay attention and participate.
3. 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.

**All Test and Quizzes 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.**

## Calendars:

Every six weeks a calendar will be posted on edmodo.com . These calendars are subject to change when teachers feel it is necessary. Students are given an updated calendar every 3 weeks for class use.

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

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 Pre-AP Algebra 2 syllabus is located and am aware of the policies, rules and expectations for the class.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent Signature