Mrs. Kelsie Shields  
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Course Description:  
“This is an accelerated, fast-paced course designed to challenge the highly-motivated math student as well as prepare them for Precalculus and AP Calculus. This approach requires maturity, personal commitment, and a strong background in mathematics. The course teaches students to understand algebra in the study of the structure of the system of complex numbers, to recognize the techniques of algebra and trigonometry as reflections of this structure, to comprehend the function concept, to acquire facility in applying algebraic and trigonometric concepts and skills, to perceive the role of deductive reasoning, and to appreciate the need for precision of language. Use of the graphing calculator may be required. This course is weighted 5 points on a 100-point scale.”  
(From the Huntsville City Schools Course Description and Registration Guide, 2019-2020)

We will be covering the concepts in chapters 1-14 in *Common Core Algebra 2* by Pearson.

We will be covering the standards found in the Alabama Course of Study which can be found at the following web address:  
http://alex.state.al.us/standardAll.php?subject=MA2010&ccode=ALT&summary=3

Prerequisite(s):  Algebra I (would recommend an 80 or higher) and Geometry

Needed Materials:  
The following materials are recommended to be in class with you every day:  
- Binder  
- 12 dividers (one for each chapter/topic)  
- Pencil(s)  
- Colored Pen(s)  
- School-issued laptop  
- Scientific or graphing calculator—students in Honors Algebra 2 with Trigonometry are on track to take Pre-Calculus, AP Statistics and/or AP Calculus. In those classes they will be required to have a graphing calculator. If students have access to a graphing calculator, it will be a good tool to use to check homework this year. There are sections where we will use graphing calculators, but they are not required to pass the course. I will have a class set available to students for lessons in which they are deemed necessary. (**NOTE: CAS and TI-89 calculators are permitted in this class, but not on the ACT.)

Textbook:  
Algebra 2 Common Core by Pearson  
The electronic copy of the textbook can be found on each students’ desktop. The textbook can also be accessed online through Canvas.
Grading:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade Distribution</th>
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<tbody>
<tr>
<td>60% Standards Based Summative Assessments</td>
<td>performance based assessments, labs, projects, writing assessment, all of which directly reflect course standards</td>
</tr>
<tr>
<td>40% Formative Assessment and Assignments</td>
<td>In-class assignments/homework that directly reflect and support mastery of course standards</td>
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Each quarter grade will make up 45% of the semester grade and each semester test will be 10% of the semester grade. Each semester grade will make up half of the final grade.

Attendance and Tardies:
To optimize learning, students need to be in the classroom. Students are expected to make an effort to be in class. Work missed while absent must be made-up. It is the responsibility of the student to get the work they missed. It is a good idea to get contact information from a few classmates in case students have questions about what they missed. If students miss a test, it is their responsibility to come talk to be about a make-up day and time on the day the student returns. If the student only missed test day, and did not miss any new material, they should come to school the next day prepared to test.

I will be ready to start when the bell rings, so students need to be in their seats and ready to go when the bell rings.

Attendance and tardy issues will be addressed and dealt with according to Huntsville City Schools BLG.

Homework:
Homework is expected to be completed daily and in pencil. Students can take notes in pen if they would like, but homework and tests should be in pencil. Students are expected to show all work.

Make-up/late work:
When students need to make up work missed for excused absences, they have 3 days to get with me about how and when to make up the work. Test make ups will take place upon appointment during Tiger Time.

Students are expected to be proactive and take initiative when it comes to getting and turning in missing work. Late work is not acceptable unless the student has an excused absence.

Class rules:
- Show respect to yourself and others
- Arrive on-time
- Come prepared and ready to work
- Do your best
- Cell phones and other electronic devices should be stored out of sight, out of mind
- Technology should be used appropriately when appropriate.

Students are also expected to abide by all school and district rules and policies.
Technology:
Technology is a tool to be used in the classroom but should not be used inappropriately. I expect students to follow all district and school policies regarding technology.

Canvas will be used to communicate with students, post assignments and notes and post class information.

Online homework resources:
- Math XL for School (www.mathxlforschool.com)
- Delta Math (deltamath.com)

Support Systems for students
Additional Teacher Support room
- Tiger Time (A-Days)
  - 11:35-12:05 in room 1212

Mu Alpha Theta
- Dates and times TBA

Expectations:
I will be prepared each day and I expect the same from every student. Come to class with a determination to learn and engage in class discussion. If you actively participate you will be successful. Success is within reach for every student who puts the effort into this class.
To ensure success, students will need to daily keep up with the homework. If students are confused over the homework, they will be given time to ask questions or they can come find me during Tiger Time, or before and after school when I am available.

In my class, you will get what you earn: if you come to class prepared, work hard and engage in class discussion you should experience a high level of success and learning.