

**Algebra 2/Trigonometry**  
**City Honors School**  
**2009-2010**

Instructor: Ms. Cecilia Doody  
 After school help: M & Th 2:30-3:00  
 In school help: Tu,W, F 7:30-8:00  
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Dear Parent or Guardian:

Your child is enrolled in the third year of their three-year sequence of required high-school level Regents mathematics courses; algebra, geometry, and algebra 2 & trigonometry. This course integrates Algebra, Geometry, and Trigonometry. The students will be preparing for the Algebra 2/Trigonometry Regents exam and their upper level math course(s) which may include AP Statistics, AP Calculus, IB Studies, or IB Methods.

The UCSMP Advanced Algebra text will be supplemented by other materials as warranted. Graphing calculators will be incorporated into most aspects of the course, and it is required that all students have a TI-83+, TI-84+, or a TI-nSpire calculator. The students will have access to TI-nspire calculators for use during class.

**To guarantee a successful year:**

**Students will need:**

• a 1.5-inch 3-ring binder, 5 dividers	• a pad or package of graph paper
• pencils and lined paper	• a 100-sheet spiral notebook and a paper folder with clips <b>or</b> 2 paper folders with clips and lined paper for practice assignments
• a TI-83+, TI-84+, or TI-nspire graphing calculator for home use	
• the supplied textbook: <u>UCSMP Advanced Algebra</u>	• a ruler or straightedge for home use

**Students are expected to:**

- Read the textbook or materials provided. Read with a pencil and paper in hand to work out given examples.
- Ask questions of your classmates, your teacher or another math teacher, or anyone who can help you if you are having trouble understanding a topic. Don't wait for a concept to come to you. **Go after it.**
- Do the practice problems. Seek out more problems, and examples on the Internet to help you learn a skill. Don't stop until you've got it!
- **Come for help** before homeroom, or after school. Don't wait until you get to the end of a unit. Don't let days and days of not understanding go by. Mathematics builds on previous knowledge and having gaps will make further learning more difficult.
- Keep up with your work, and monitor your learning. Be in charge of your learning process. Learn how to learn. Be honest with yourself and your teacher about your effort. You're in charge of your success.

## Grading Procedures & Grading Scale

<b>A student's quarter grade will be composed of the following:</b>	
Participation & Organization – 15%	- see below
Graded Assignments (GA) – 25%	- 10-12 per quarter short range and long range assignments
Quizzes – 25%	- 5 to 8 per quarter
Tests – 35%	- 2 to 4 per quarter

Course Grades will be updated weekly and will be available for viewing on my web page: <http://www.buffaloschools.org/webpages/cdoody>. The password that you specify will be required to view the grade reports.

The course concludes with the NYS Algebra 2/Trigonometry Regents Exam. Passing the course requires having a passing course average for the four quarters and a 65 or higher on the regents exam. Mastery at 85 or higher on the exam is preferable.

- Practice assignments will be made available each day for students to do to reinforce ideas learned in class. Students are welcome to search out more problems to do for practice if needed. If no practice is necessary students may skip the practice assignments.
- In the case of illness or a legal absence students should make every effort to get missed assignments from a classmate before returning to school. Students who are tardy, have music lessons, or some other school absence are required to stop in that day to turn in any work that is due and to pick up new assignments. Not doing so will result in a zero for work that is due.
- Participation and organization are a necessary and important part of being successful in this course. Participation and organization will count 15% of the students overall quarter grade. Participation includes arriving on time for class with necessary supplies, following class procedures, staying on task in class, working cooperatively with classmates, contributing to class discussions, and asking questions when needed either during class or during help sessions. Organization includes completing and turning in the Practice-Log Record Sheet, maintaining an organized notebook, and regular use of the school Planner.

### Major Units of Study include:

<b>Functions</b>	<b>Variation</b>	<b>Systems of Equations</b>
<b>Quadratics</b>	<b>Powers &amp; Radicals</b>	<b>Exponential Functions</b>
<b>Logarithmic Functions</b>	<b>Graphs of Quadratics</b>	<b>Trigonometry</b>
<b>Algebraic Fractions</b>	<b>Math as a Universal Language</b>	
<b>Statistics</b>	<b>Combinations</b>	<b>Binomial Theorem</b>

If you have any questions or concerns do not hesitate to contact me. I can be reached by e-mail at [cdoody@buffaloschools.org](mailto:cdoody@buffaloschools.org). I can also be reached by phone at 816-3130 ext. 1352 between 8:00 am and 8:20 am, or after 2:20 PM. E-mail is my preferred method of contact, and I read my e-mail several times a day. I am delighted to be teaching your child and I'm looking forward to a terrific school year.

Sincerely,

Cecilia H. Doody  
Mathematics Teacher