

**Charter Oak High School**  
**Mathematics II**  
**Class Syllabus**

**Teacher:** Ms. Corrales  
**Room:** S-6

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**Course Description:** Mathematics II includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Mathematics II focuses on five critical areas: (1) extend the laws of exponents to rational exponents; (2) compare key characteristics of quadratic functions with those of linear and exponential functions; (3) create and solve equations and inequalities involving linear, exponential, and quadratic expressions; (4) extend work with probability; and (5) establish criteria for similarity of triangles based on dilations and proportional reasoning. The scope of Mathematics II is limited to quadratic expressions and functions, and some work with absolute value, step, and functions that are piecewise-defined.

**Supplies:** The following supplies are recommended to assist with successful achievement in this class.

1. Textbook: *Integrated Math II: A Common Core Math Program* by Carnegie Learning (Provided)
2. A three-ringed binder with 8.5" x 11" college ruled paper and dividers
3. #2 pencils
4. Colored pens
5. Highlighters
6. Geometry tools: compass and ruler/straightedge
7. Graphing calculator\* (TI-83, TI-83Plus, TI-84, or TI-84Plus are recommended)

**\*This will be used throughout the four years of high school and will be needed to complete homework.**

**Borrowing School Materials:** Charter Oak has a limited number of calculators, compasses, rulers, protractors and other learning materials which may be borrowed during class. If an item is borrowed and damaged the student is responsible. So please treat borrowed materials carefully.

**Extra Support:** Students can come in at lunch on Tuesday and/or Thursday to receive extra help if needed. This is the time when students will be able to receive extra help outside of class time. Students who have questions on problems from the worksheets should utilize this time since class time will be spent on new concepts and section activities.

**Grading:** Grades start fresh at the beginning of each semester.

Homework	15%	Participation	15%
Performance Tasks	15%	Tests	40%
Final	15%		

**Classroom Rules:** Class rules are to be followed in conjunction with the school-wide rules.

1. Respect the property, opinions, rights and time of others.
2. Students need to be in their seats and ready to begin when the bell rings. Any student not in the classroom when the bell rings will receive an unexcused tardy. No running through the door.
3. No eating in class. Students may drink only water in class.
4. Academic dishonesty and cheating will receive consequences as outlined in student planner.
5. Use the restroom before class. Students will not be allowed to leave class to go to the bathroom, unless it is an emergency.
6. Any and all technology is to be put away at all times during class. Consequences will be given for not following rule.

**Chapter Worksheets (Homework):** Worksheets will be given out as a packet at the beginning of every chapter. One worksheet from the packet will be assigned every night. Worksheets will be collected and checked the following class period.

1. All work should be done in pencil. No credit for work done in pen.
2. The homework chart needs to be kept in the binder and brought to class every day.
3. Each worksheet will be marked with a check mark for complete or the number of problems completed (+11: means that 11 problems were completed on the worksheet).
4. The chart will be marked appropriately: Complete, Incomplete, or Missing.
5. A worksheet marked incomplete is a worksheet that is at least 50% complete but not 100% complete. An incomplete worksheet will be returned by the end of the period or the following class period and can be completed by the following class period for FULL CREDIT. An incomplete worksheet not completed by the next class period will receive an extra 2 days to turn it in for HALF CREDIT on the problems that need to be completed or fixed.
6. A worksheet marked missing is a worksheet that is less than 50% complete, blank, or not turned in at all. A missing worksheet will have 3 extra days from when it was due to turn it in completed for HALF CREDIT.
7. The worksheet will be given a score based on the number of problems seriously attempted.
8. When a student is absent, the worksheet that would have been turned in will be collected on the day they return otherwise it will be considered missing. The worksheet that was assigned will be turned in by the day of the test to be marked appropriately.
9. At the end of each chapter, students will be given the chart back to have parents/guardians sign it. Charts will not be accepted and entered in the gradebook until a parent/guardian signs it.
10. The chart grade will be entered into the gradebook about a week after it has been collected.

**Tests and Performance Tasks:** No credit will be given for any assessment or performance task done in pen. A pencil must be used for these. An absence on a day of a test or performance task must be excused otherwise a grade of zero will be entered. Tests and performance tasks will be made up during lunch on a Tuesday or Thursday as scheduled by the teacher. If a student does not show on the scheduled day, then a second opportunity will be given. Any test not made up will receive a zero in the gradebook even if absence is excused. Tests and performance tasks will take at least a week to be graded and entered into the gradebook.

1. Performance Tasks will be given throughout the semester. The students might work in groups or individually, but the performance tasks will be graded individually. Performance tasks will be graded according to a rubric.
2. Test dates will be announced and posted in advanced. The students will be informed if calculators are allowed on the test. Tests will be given at the end of each chapter. A project may be given in lieu of a chapter test.

**Participation:** This will consist of the following.

1. Discussions/Activities – Students are expected to be actively engaged and participate in small group and class discussions and activities.
2. Absences and tardies affect participation because the student will not be in the classroom to be part of the class activities. When a student is absent they are to complete the classwork and worksheets on their own before the chapter test. Do not copy class assignments when absent, this is considered cheating. If a student has a question on the classwork that they missed, then they need to see me during lunch on Tuesday and/or Thursday.
3. Section pages from the consumable textbook need to be filled in and worked on during class. Any part of the section pages not done in class should be finished at home unless specified during class to skip.

- The vocabulary for each chapter is to be written down, numbered and defined. These must be handwritten; any vocabulary printed out will not be accepted. Not all definitions from the internet will be accepted so the glossary from the book is recommended. Vocabulary words can be found on the first page of the chapter summary under key terms. These need to be done by the day of the test.

**Final:** A final will be given at the end of each semester. If a student is absent for the final and it is excused, then another day and time will be scheduled for a make-up. If the student fails to make-up the final exam at the scheduled day and time, then a zero will be entered for the grade. Also, as with any test, should a student be absent and it not be excused then a zero will be entered for the grade.

### **Grading Policy**

<b>A+</b>	97.5 and above	<b>B+</b>	86.5 – 89.49	<b>C+</b>	76.5 – 79.49	<b>D+</b>	67.5 – 69.49	<b>F</b>	0 – 59.49
<b>A</b>	92.5 - 97.49	<b>B</b>	82.5 – 86.49	<b>C</b>	72.5 – 76.49	<b>D</b>	63.5 – 67.49		
<b>A-</b>	89.5 – 92.49	<b>B-</b>	79.5 – 82.49	<b>C-</b>	69.5 – 72.49	<b>D-</b>	59.5 – 63.49		

\*\*\*Grades will be updated as the assignments permit.

### **CLASSROOM WISHLIST**

Donations of the following items would be greatly appreciated. These items will be used by the students throughout the school year.

- \* Pencils
- \* AAA batteries
- \* White copy paper
- \* Glue sticks
- \* Pens of any color
- \* Large boxes of tissue
- \* Staples
- \* Graph paper
- \* Highlighters
- \* Color copy paper