



# Algebra 2

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### Prerequisites:

- Algebra 1
- Students scoring a B or better in prerequisites taken at WHCT are not required to take a placement test.
- All other students must pass a placement test prior to registration.



### Course Description:

Algebra 2 is intended to delve deeper into algebra, solidifying topics covered in Algebra 1, and introducing more advanced topics for Precalculus. Algebra 2 topics include linear systems of equations; quadratic functions, relations, and conic sections; polynomial functions, radical and rational functions, rational exponents, exponential and logarithmic functions; sequences and series.

Additional topics include an introduction to probability and statistics; matrices; and trigonometry.



### Commitment:

- This course meets on Tuesdays AND Thursdays.
- At the beginning of each quarter, students will receive the assignments and due dates. Assignments will be a mix of MathXL and textbook exercises.
- Students are expected to show neatly written work.
- Students are expected to check answers to odd-numbered textbook exercises in the back of the textbook.
- Students will have homework checked for completion each class meeting. Not always, but possibly, even-numbered textbook exercises and math XL assignments may be taken for a grade.
- Unit tests will be administered at home.

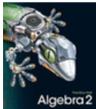


### A typical class will look like...

Students will have a warm up exercise to complete as they enter the classroom. This exercise provides a 3–4-minute review of the previous lesson or an introduction to the day's lesson. Students will have an opportunity to ask homework questions and then learn a new lesson(s). Classwork/partner practice/activities are used during class time to reinforce the new material learned.



### Books and Supplies\*

<ul style="list-style-type: none"> <li>• <u>Algebra 2, 2011 edition</u> (not common core)             <ul style="list-style-type: none"> <li>◦ ISBN - 0133500438</li> </ul> </li> </ul> 	3 ring binder with tabs labeled Notes, Homework, Study Materials, Assessments.	Loose-leaf paper & Loose-leaf graph paper	ACT-approved graphing calculator TI-84+ preferred no phone calculators allowed
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\*MathXLforSchools access code (provided via lab fee.)