



South Windsor High School
 161 Nevers Road
 South Windsor, CT 06074
 (860) 648-5000
 website: www.southwindsorschools.org/highschool

2023 - 2024 COURSE EXPECTATIONS

Course Name:	Algebra II with Trigonometry, CP and Honors
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Teacher Name(s)	Email	Phone
Karolyn Andrews	kandrews@swindsor.k12.ct.us	860-474-1130
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Course Overview: This course is designed to provide students with the skills to apply topics of advanced algebra. These include graphing and solving linear, quadratic, polynomial, rational, exponential and trigonometric equations. Students will study the different characteristics of the various types of graphs and use them to model real-world situations. Students will use graphics calculators throughout the course.

Vision of the Successful Student And Core Competencies:

The successful student will...

- demonstrate the ability to solve problems using correct mathematical processes.
- effectively communicate, both orally and in writing, the processes and reasoning used to arrive at a solution.
- make connections and effectively apply learned material to new situations.
- identify whether or not a solution is reasonable and revise if necessary.
- use technology to enhance mathematical literacy.
- demonstrate academic integrity as outlined in the Bobcat Student Handbook.
- be a collaborative individual who learns from and contributes to the classroom environment.
- exhibit appropriate behavior for the classroom, including being respectful, responsible and actively engaged
- use all available resources to help improve their understanding.

Materials and Resources to Support Student Learning:

Graphing calculator technology is integrated throughout the course. The TI-83/84 family of calculators will be used in the classroom, and it would be advantageous for students to have access to one for use outside of the classroom.

Support websites:

- **Free online graphics calculator:** <https://www.desmos.com/calculator>

- On-line Text <http://connected.mcgraw-hill.com> (you will need your password and username to access)
- <https://www.khanacademy.org/>
- SAT practice <https://www.khanacademy.org/sat>
- You Tube- Patrick JMT. Nancy Pi
- www.DeltaMath.com

Evidence of Student Learning: Gradebook Categories

Assessments	80%	<ul style="list-style-type: none"> ● Activities that allow students to demonstrate mastery and application of taught concepts and skills ● May vary in format and occur at various points through the unit. ● Assessments may include (but are not limited to): <ul style="list-style-type: none"> ○ problem sets ○ quizzes ○ tests ○ performance tasks ○ projects
Learner Tasks	20%	<ul style="list-style-type: none"> ● Activities that provide opportunities to practice content and skills when mastery would not yet be expected ● Accountability for timely completion and submission of assignments ● May vary in format and occur at various points through the unit. ● Learner tasks may include (but are not limited to): <ul style="list-style-type: none"> ○ homework, classwork, practice problem sets ○ warm-ups, check-ins, exit passes, ○ work habits, engagement, readiness for class

With teacher permission, students will be given opportunities to retake certain assessments/assignments.

Late Work: Students who are absent will have additional time to complete assignments without penalty as described in the Bobcat Handbook.

Please refer to the Bobcat Student Handbook for the full academic integrity policy.