



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:	Trigonometry
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Teacher Name(s)	Email	Phone
Rob Zielinski	rzielinski@swindsor.k12.ct.us	860-474-1893

Course Overview:

Trigonometry focuses on the ability to recognize and model periodic phenomena using trigonometric functions. This course will focus on understanding the relationships within the unit circle, the geometric definitions of sine and cosine, degree and radian measures of angles and will apply this understanding to graph trigonometric functions, determine key characteristics of the functions and their graphs, and describe the effect of transformations on both the symbolic and graphical representations of the functions.

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

Materials and Resources to Support Student Learning:

TI-30XS will be used extensively in the classroom throughout the course to investigate functions. Students are encouraged to have access to one for use outside of the classroom.

Support websites:

<http://www.purplemath.com>

<http://www.MathXLforSchool.com>

<http://www.desmos.com> (Great for scientific calculator)

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:

- Late work is accepted up until the material is assessed (i.e. quiz, test).
- Full credit earned for homework completed on-time; reduced credit for homework submitted late; homework not submitted earns no credit.
- Students who are absent will have additional time to complete assignments without penalty as described in the Bobcat Handbook.

Please refer to Bobcat Student Handbook for the full Academic Integrity policy.