



South Windsor High School  
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website: [www.southwindsorschools.org/highschool](http://www.southwindsorschools.org/highschool)

## 2023 - 2024 COURSE EXPECTATIONS

<b>Course Name:</b>	Honors Precalculus
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Teacher Name(s)	Email	Phone
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**Course Overview:** Precalculus is a course focused on using a variety of functions to model real-world situations and make predictions. It also previews calculus with an introduction to limits, derivatives and integrals. Types of functions investigated may include linear, quadratic, exponential, rational, logarithmic, power, polynomial, rational, and trigonometric; these functions will be studied from a calculus perspective, with a focus on end behavior and limits. Vectors and conics are also studied. The use of technology, such as graphic calculators, is incorporated throughout the course to investigate these 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 and actively engaged.

### Materials and Resources to Support Student Learning:

- <http://www.purplemath.com>
- 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>
- Videos on YouTube- Patrick JMT

## Evidence of Student Learning: Gradebook Categories

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

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

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