

## **Pre-Calculus Syllabus**

### **Course Description:**

In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations. Pre-Calculus Part B covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

### **Additional Materials Required:**

- None

### **Student-Teacher Conferences:**

Office Hours. Students can schedule up to three (3) Student-Teacher Conference over the duration of the course. These meetings are optional, and attendance will not affect your grade.

To schedule an office hour with your teacher to please visit the Student Resources page on [waonline.org](http://waonline.org).

<p><b>Washington Academy Grading Scale:</b></p> <p>A = 100 - 93</p> <p>B = 92 - 85</p> <p>C = 84 - 76</p> <p>D = 75 - 70</p> <p>F = 69 or less</p>
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## Coursework Overview

○ ASSIGNMENTS



Assignments are completed by the student through fillable PDFs which they can fill-out, save to computer, then upload to in the Learning Management System. Assignments are typically found throughout the course(s) and can be opened by clicking the “**Activity**” button when prompted to do so. Assignments will be graded by your teacher.

○ ASSESSMENTS



Assessments, or Quizzes, are predominately computer graded and will test your knowledge of the content of each Section upon completion.

○ EXAMS



At the end of each Unit, Semester and the Course, you will need to complete an Exam.

○ PARTICIPATION



Participation grade is determined upon the completion of the “End of Course Survey.” Participation in Discussion boards or Office hours does NOT affect your grade.