

Honors Pre-Calculus Syllabus 2022-2023

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Text: [Precalculus 10th Edition By Ron Larson.pdf](#) as well as guided notes distributed in class, and posted into Google Classroom.

Course Description: This is the third course in a sequence of courses designed to provide students with a rigorous program of study in mathematics. It includes trigonometry, conic sections, modeling with matrices, the complex number system including modeling with vectors, and probability including compound events and expected values.

Prerequisite: Accelerated Analytic Geometry and Advanced Algebra

Instructional Philosophy: The Accelerated Pre-Calculus curriculum is both extensive and comprehensive. Time is a crucial commodity and it must be spent judiciously. Relevant concepts of previous math course topics will be reviewed and extended, but not re-taught.

Course:

Upon completion of the course, students will be able to:

1 st Semester			
Unit 1	Unit 2	Unit 3	Unit 4
<u>Introduction to Trigonometric Functions</u> (4 – 5 weeks)	<u>Trigonometric Functions</u> (4 – 5 weeks)	<u>Trigonometry of General Triangles</u> (3 – 4 weeks)	<u>Trigonometric Identities</u> (3 – 4 weeks)
MGSE9-12.F.IF.4 MGSE9-12.F.IF.7 MGSE9-12.F.IF.7e MGSE9-12.F.TF.1 MGSE9-12.F.TF.2 MGSE9-12.F.TF.5 MGSE9-12.F.TF.8	MGSE9-12.F.BF.4 MGSE9-12.F.BF.4d MGSE9-12.F.TF.3 MGSE9-12.F.TF.4 MGSE9-12.F.TF.6 MGSE9-12.F.TF.7	MGSE.9-12.G.SRT.9 MGSE.9-12.G.SRT.10 MGSE.9-12.G.SRT.11	MGSE9-12.F.TF.9

2 nd Semester			
Unit 5	Unit 6	Unit 7	Unit 8
<u>Matrices</u> (3 – 4 weeks)	<u>Conics</u> (3 – 4 weeks)	<u>Vectors</u> (4 – 5 weeks)	<u>Probability</u> (4 – 5 weeks)
MGSE9-12.N.VM.6 MGSE9-12.N.VM.7 MGSE9-12.N.VM.8 MGSE9-12.N.VM.9 MGSE9-12.N.VM.10 MGSE9-12.N.VM.12 MGSE9-12.A.REI.8 MGSE9-12.A.REI.9	MGSE9-12.G.GPE.2 MGSE9-12.G.GPE.3 MGSE9-12.A.REI.7	MGSE9-12.N.CN.3 MGSE9-12.N.CN.4 MGSE9-12.N.CN.5 MGSE9-12.N.CN.6 MGSE9-12.N.VM.1 MGSE9-12.N.VM.2 MGSE9-12.N.VM.3 MGSE9-12.N.VM.4 MGSE9-12.N.VM.4a MGSE9-12.N.VM.4b MGSE9-12.N.VM.4c MGSE9-12.N.VM.5 MGSE9-12.N.VM.5a MGSE9-12.N.VM.5b MGSE9-12.N.VM.11	MGSE9-12.S.CP.8 MGSE9-12.S.CP.9 MGSE9-12.S.MD.1 MGSE9-12.S.MD.2 MGSE9-12.S.MD.3 MGSE9-12.S.MD.4 MGSE9-12.S.MD.5 MGSE9-12.S.MD.5a MGSE9-12.S.MD.5b MGSE9-12.S.MD.6 MGSE9-12.S.MD.7

Course assessment:

Nine Weeks Grade = 60% (Tests and Major Projects) + 40% (Quizzes/Daily)

1st Semester Grade = (1st 9 weeks + 2nd 9 weeks) ÷ 2 x 80% + Semester Exam x 20%

2nd Semester Grade = (4th 9 weeks + 5th 9 weeks) ÷ 2 x 80% + Semester Exam x 20%

Students will receive a grading rubric for any projects assigned. A minimum of 3 tests or equivalent level tasks will be given per nine weeks.

Supplies:

- TI-84 Plus or TI-84 Plus CE
- 3-ring binder
- Notebook paper
- Planner
- Pencils (No pens please)
- Project supplies - These will be announced as needed.

Extra Help:

1. Extra help is available before/after school twice a week and during PRIDE on Thursdays during school.

Make-up Work:

1. All make-up work is to be completed within one week of returning to school. If the absence is excused, credit will be given; no credit is given for an unexcused absence, unless cleared through an administrator.
2. Make-up tests and quizzes are given after school or during PRIDE. Please see me if special arrangements need to be made.

Parent-Teacher Communication:

Any parent or guardian wishing to speak with me may call the school at (229)903-2260 to leave a message or schedule a conference, or may email me. My email address is delkvi@lee.k12.ga.us

