COURSE DESCRIPTION
The course integrates algebra and trigonometry topics to prepare students for calculus and higher-level mathematics. Topics included are polynomial, rational, exponential, logarithmic, trigonometric, and inverse trigonometric functions and their graphs; trigonometric identities and trigonometric equations; appropriate applications of trigonometry; and analytic geometry.

COURSE OUTCOMES: The major outcomes for this course are:
Algebraic and Transcendental Functions, Graphs, and Transformations (i.e., Polynomial, Rational, Exponential, Logarithmic, Trigonometric, etc.) Right Triangle Trigonometry Trigonometric Identities and Equations Trigonometry of Non-right Triangles Linear Systems, and Conic Sections

COURSE OUTLINE

<table>
<thead>
<tr>
<th>Topics/ Unit of Study</th>
<th>Approximate Time Frame</th>
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<tr>
<td>Unit 1: Trig Equations and Identities</td>
<td>20 days</td>
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<tr>
<td>Unit 2: Polynomial Function</td>
<td>18 days</td>
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<td>Unit 3: Rational Functions</td>
<td>15 days</td>
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<tr>
<td>Unit 4: Radical Functions</td>
<td>10 days</td>
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<tr>
<td>Unit 5: Exponential &amp; Logarithmic Functions</td>
<td>10 days</td>
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<tr>
<td>Unit 6: Conic Functions</td>
<td>10 days</td>
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EXPLANATION OF ASSESSMENTS
*** Students will be graded using a variety of methods, including but not limited to:
daily assignments, tests & quizzes, warm-ups, projects, etc.
*** TESTS will be announced --- QUIZZES may be unannounced.

GRADING POLICY
Progress Assessments: 50% assignments, quizzes, notebook, warm-ups homework
Mastery Assessments: 50% cumulative assessments, performances, projects, papers

TEXTBOOK & MATERIALS
1. Precalculus by Larson/Hostetler.
2. Pencils or erasable pen (blue or black only)
3. Loose leaf paper
3. 3-ring binder for keeping required math papers
8. Graphing calculator (from the TI-83 Plus family or equivalent)
ASSIGNMENTS & EXAMS POLICY
1. Keep a course notebook that includes ALL information papers, tests & quizzes, warm-ups, & notes.
2. All assignments are due & collected the NEXT DAY unless the instructor tells you otherwise.
   Assignments will be listed on Schoology.
3. Mastery Tests can be corrected or retaken following the county guidelines.
4. Make-up tests/quizzes must be taken before the next unit test, or the score remains zero.
5. Make-up work & tests are allowed according to the attendance policies of QACPS.
6. Late work is accepted according to the High School Grading Policy of QACPS.
7. The student, NOT the teacher, has the responsibility to get make-up work or schedule a make-up test.
8. After-school help days & times are available upon request, during teacher office hours.

CLASSROOM RULES & PROCEDURES
1. Sign into Schoology at the scheduled time!!! Be ready to work with your pencil, eraser, & other supplies.
2. Mute your microphone when logging into the classroom. Use the chat feature to ask questions.
3. Display courtesy & respect at all times.
4. Work on math during class time unless you have the instructor's permission to work on something else.
5. Be a good citizen! Three reminders in a day for unacceptable behavior results in disciplinary action.

NOTE TO THE STUDENT
I want you to succeed in this class. Please see me if you are having problems. I can help you during Office Hours. Let's work together for your success in Honors Precalculus!!!

NOTE TO THE PARENT/S OR GUARDIAN/S
My goal in this class is your student’s success. Please ask her/him often to see progress reports, tests, & assignments. Please email me anytime you have a question or concern about your student’s progress in Honors Pre-Calculus. Thank you for helping me help your student succeed !!!

OFFICE HOURS
I am available during the following times for additional student support. Please schedule time for support in advance.
   Monday, Tuesday, Thursday, Friday-8:00-10:15 and 2:00-3:30

* Please fill out, sign, & return the attached form. *
   Thank you!
**Honors Pre-Calculus Syllabus**

I have read and understand the information given on the attached syllabus, and I will do my best to uphold my responsibilities in Honors Pre-Calculus.

Date: __________________________

Student name: ___________________________________________________ (please print)

Student signature: ____________________________________________

Parent/Guardian name: ______________________________________________ (please print)

Parent signature: _____________________________________________

Any comments, questions, or concerns:

Anything else that you feel the teacher needs to know for your child to be successful in this course?

* **NOTE to Parent/Guardian** *

Parent Portal is the QACPS website that allows you to see your student’s current grades by going to the internet. If you are not already signed up, please call the guidance office (410-604-2070) for information.