Mrs. Guarneri
cdguarne@volusia.k12.fl.us
Course Information:

Precalculus
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Algebra 2 Honors
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Welcome back to school and the exciting world of mathematics!

**Text** Precalculus with Limits by Ron Larson and Paul Battaglia

**Course Purpose**
In Precalculus Honors, instructional time will emphasize six areas:
(1) extending right triangle trigonometry to unit circle trigonometry and trigonometric functions; (2) extending understanding of functions to trigonometric; (3) developing understanding of conic sections; (4) representing and performing operations with complex numbers and vectors in the coordinate plane; (5) extending understanding of relations in the plane using parametric representations, including polar coordinates and (6) analyzing arithmetic and geometric sequences and series.

Calculators and computers will serve as instructional tools in concept development. You will need to THINK in this class, not just do sets of problems that are all alike. ~~~ Calculators will be used in this course. If you own a graphing calculator, you may use it (except on designated class assessments). If you do not, please purchase a calculator for your use in class and at home.

**Materials:**
Student materials needed every day:
3-Ring Organized Notebook – daily openers, notes, homework
Loose Leaf Paper (no spiral bound notebooks)
Pencil & eraser (pen is not a good idea)
Calculator – TI-30xIIS, TI-83, TI-84
Additional suggested materials:
Highlighters Colored pencils/pens Graph paper

The completion of homework assignments and maintenance of the mathematics notebook is strictly the responsibility of the student. No special allowances will be made for students who lose, forget, or neglect to maintain the notebook.

Note: For quizzes and tests, you may NOT borrow or share a calculator from another student in class. There may be quizzes or tests where the use of a graphing calculator will be restricted or prohibited.

**Extra Help** I am available during lunch or after school in our classroom, room 8-212, by appointment.
**Expectations**

Be on time.
Turn assignments in on time.
Come prepared with materials.
Be ready to think and interact.
Be willing to try new ways of thinking and new methods of problem-solving.

Be respectful of others and of others’ property.
Be open to others’ ideas.
Follow all school rules and policies.
Listen when someone else “has the floor”; speak when you have permission.

**Grading**

County grading scale:

- **A:** 90 – 100
- **B:** 80 – 89
- **C:** 70 – 79
- **D:** 60 – 69
- **F:** below 60

Diagnostic Assessment: 0%
Formative Assessment: 40%
Summative Assessment: 60%

All homework problems should be attempted (this does not mean just writing down the problem and adding some scribbles). Each student should be willing to attempt the problem by writing down everything you know about the problem and showing several different attempts. Always be ready for a short, unannounced quiz. Expect an announced test every one to three weeks.

Academic honesty is not only expected it is required. Violations of academic honesty occur when a student attempts to pass off work as his/her own (minor) or breaks testing rules and expectations (major). Consequences will be implemented according to school policy.

As per Volusia County Schools Secondary Grading Guidelines: Teacher’s Authority to Override Final Grade: A teacher may override the final grade if a student’s overall performance warrants it. Before the grade override is finalized, the teacher must notify the parent/guardian concerning the student’s performance if the override may result in a lower final grade. The teacher may issue a failing grade override based on the student’s overall performance only with the approval of the principal. * This refers to the final grade of the grading period, or the final grade for the course.

**Make-Up Policy**

According to school policy, an excuse note from the parent/guardian must be presented within two school days of the student’s return to class. If you are absent on the day of a test, you must make arrangements to take the test as soon as possible. All make-up work is YOUR RESPONSIBILITY. Assignments are posted on TEAMS.
Teacher: Mrs. Guarneri
Email: cdguarne@volusia.k12.fl.us
Term: full year
Course #: 1200340

Textbook: Big Ideas National Geographic Cengage – Algebra 2 by Ron Larson and Laurie Boswell

Other Materials Needed:
3-Ring Organized Notebook, loose leaf paper, pencil, workbook (provided), and calculator (Texas Instruments Model: TI-30XIIS)

Course Objectives:
In Algebra 2 Honors, instructional time will emphasize six areas:
(1) developing understanding of the complex number system, including complex numbers as roots of polynomial equations;
(2) extending arithmetic operations with algebraic expressions to include polynomial division, radical and rational expressions;
(3) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic;
(4) extending systems of equations and inequalities to include non-linear expressions;
(5) building functions using compositions, inverses and transformations and
(6) developing understanding of probability concepts.

*** Make-up Work Policy: students should refer to the school policy as found in the handbook for acquiring and receiving credit for all make-up work. It is the student’s responsibility to request work from when they were absent.
How to contact Mrs. Guarneri:  email:  cdguarne@volusia.k12.fl.us

Materials:  Student materials needed every day:  3-Ring Organized Notebook, loose leaf paper, pencil and/or pen, and workbook (provided)

Make-Up Work:
All make-up work is the student’s responsibility. All notes and assignments will be available on TEAMs.

Grading:
0%  Diagnostic  (pretests)
40%  Formative  (quizzes, homework quizzes, etc.)
60%  Summative  (tests, projects, etc.)

Always be ready for a short, unannounced quiz. Quizzes provide feedback, allowing you to monitor your progress. I take quiz and test security very seriously. Academic dishonesty will not be tolerated and will result in a score of zero. Additional steps may be taken when warranted.

Class Rules  Consequences
1. Please be on time.  First offense - warning
2. Please come prepared for class.  Second offense - change of seat
3. Please be respectful at all times  Third offense - phone call home

In the event of a severe disturbance, the referral will be immediate.

As per Volusia County Schools Secondary Grading Guidelines: Teacher’s Authority to Override Final Grade: A teacher may override the final grade if a student’s overall performance warrants it. Before the grade override is finalized, the teacher must notify the parent/guardian concerning the student’s performance if the override may result in a lower final grade. The teacher may issue a failing grade override based on the student’s overall performance only with the approval of the principal. * This refers to the final grade of the grading period, or the final grade for the course.

Extra Help:  Tutoring is available by appointment in the math building consultation room, 14–105. I am available during lunch or after school in our classroom, 8–212, by appointment.