****

**Advanced Algebra Syllabus**

**2025-2026**

**Instructor:**

Swathi Velishala

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Room Number-418

**Course Description and Objectives:**

This is the continuing course, in a sequence of courses, designed to provide students with a rigorous program of study in High School Mathematics. Students will understand various numerical representations, including operations with

Logarithms, Radical Functions, Statistics, Linear algebra & Matrices, Trigonometry & Unit circles, and rational

functions.

Hey welcome to my class i.e., Adv Algebra A and B

The RCK12 Curriculum map is a visual layout of standards, big ideas, and resources that serve as the instructional roadmap to address the Georgia Standards of Excellence in the classroom. Access the RCK12 Curriculum Map below for this course.

**Unit/Concept Names:**

 **Adv Algebra -A**

Unit 1 - Descriptive and Inferential Statistics

Unit 2 - Exponential and Logarithmic Functions

Unit 3 - Investigating Radical Functions

**Adv Algebra -B**

Unit 4 - Modeling Polynomial Functions

Unit 5 - Investigating Linear Algebra & Matrices

Unit 6 - Trigonometry and Unit Circle

Unit 7 - Exploring Rational Functions

**Textbook:**

HMH Into Algebra Georgia

**Evaluation (Schoolwide Grading Policy):**

* *Minor Grades* = 60% (quizzes, labs, and graded assignments to assess certain standards in a unit of study)
* *Major Grade*s = 40% (unit tests, essays, research papers, project-based assignments, and culminating assessments to measure mastery of standards that comprise a unit of study)

**Behavioral expectations:**

**Every student is responsible for helping to maintain a clean, safe learning environment. Your area must remain CLEAN at all times. The floor should be clear of trash, paper, and personal belongings. Adhere to all policies, rules, and regulations outlined in the student handbook.**

* 1. **Be Ready**

 **A. Come prepared for class when the bell stops ringing.  This means have the materials needed for class, have the “I can do it” attitude, be ready to do your best, and be ready to begin the day’s work.  Materials you will need to bring to class include textbook, notebook, assignments and appropriate writing instruments (pencil). (If the student is not sitting in a desk and working on warm-up when the bell rings, THEY WILL BE MARKED TARDY!)**

* 1. **BE RESPECTFUL OF \_\_\_\_\_\_\_\_**
1. **ME (THE TEACHER)**
2. **YOUR CLASSMATES**
3. **MY CLASSROOM**

* 1. **BE RESPONSIBLE FOR YOUR\_\_\_\_\_\_\_\_\_**
1. **ATITUDE**
2. **GRADE**
3. **DECISIONS**
4. **STUFF**

**If you choose not meet the above expectations the follow will your consequences:**

1. **First offense -Warning- teacher and student will have a short conversation about what is expected and why.**
2. **Second offense- parent contact- parent will be notified of the possible next steps if behavior continues.**
3. **Third offense- parent phone call and referral**
4. **Course Materials:**

Pencils​

Scientific Calculator​

Composition/Spiral notebook​

Loose-leaf paper (College rule)​

Folder ​

Charged Laptop

Coloring Utensils (crayons, coloring pencil, or markers)  ​

Donations appreciated for the following (optional):

**\***Copy Paper \* Hand Sanitizer \*Dry Erase Markers \*Kleenex \* Disinfectant Wipes

**Modes of Communication:**

PARENTS ONLY- 7622338780

please Email: VelisSw@boe.richmond.k12.ga.us