

Sumter High School
Course Syllabus – Algebra 2 Honors (Fall 2017)

Course Information

Credit Hour: Math requirement – First semester
Class Website: davison-math.weebly.com
Class Location: Room B213
Office Hours: Email to schedule an app

Teacher Information

Name: Mrs. Davison
Phone: 803 - 481- 4480 ext. 2213
E-Mail: margaret.davison@sumterschools.net
Planning Period: 3rd block

School Attributes

The mission of Sumter School District is to equip students to be responsible, successful, and productive citizens in a global society. We will educate all students to embrace diversity, act responsibility, and contribute positively in a competitive, global society. To educate, empower, and enrich! We value and believe in: (1) commitment to excellence, (2) unyielding ethical standards, (3) accountability, (4) educating the whole child, (5) providing a safe learning environment, and (5) collaboration and support amongst stakeholders.

Course Description

This course is designed to prepare students with a more intense focus on higher-level mathematics. Students extend their study of foundational algebraic concepts, such as linear functions, equations and inequalities, quadratic functions, absolute value functions, and exponential functions, from previous mathematics encounters. Additionally, students study new families of functions that are also essential for subsequent mathematical application and learning. The content emphasizes solving equations, applying functions, and analyzing data. The course promotes the use of modern technology and mathematical experimentation. Prerequisites: 80 or higher in Algebra 1 Honors and Geometry Honors and teacher recommendation; or 90 in Algebra 1 CP and Geometry CP and teacher recommendation.

Course Competencies/ Learning Objectives

You can access the South Carolina College and Career Ready Standards online and they are posted on my class website. Students who successfully complete Algebra 2 Honors will be competent in the following areas:

- *Foundations for functions: transformations, graphing and solving systems of equations, inequalities, and linear relations.*
- *Piecewise and absolute value functions*
- *Quadratic functions: graphing, properties, and solving.*
- *Operations on polynomials*
- *Simplifying and performing operations on radicals, rational exponents, imaginary numbers, and complex numbers.*
- *Analyzing graphs and equations of quadratic, exponential, and logarithmic functions.*
- *Representing rational exponential, and logarithmic functions in algebraic, tabular, and graphical forms.*
- *Arithmetic and geometric sequences and series (explicit and recursive)*

Materials

The following materials are required: a notebook or binder with paper, graph paper, pencils with erasers, textbook (Holt McDougal Larson Algebra 2), and a scientific or graphing calculator for homework (optional: dry erase markers). Being unprepared for class will reduce your participation grade.

Online Text

Online textbook is located at my.hrw.com. Username: shs-alg, Password: davison

Student Evaluation

The grading system for the Mathematics Department at Sumter High School is as follows: *you can be exempt from your final exam if you receive an average of 93% on your quarter 1 and 2 grades:

Quarter 1	-	40%
Quarter 2	-	40%
Final Exam	-	20%

Each quarter grade is computed based on the following:

Summative Assessments (Exams, Projects, etc.)	-	60%
Formative Assessments (Homework, Participation, Classwork, Exit tickets, Quizzes, etc.)	-	40%

Grading Scale

Will round up if between grades:

A = 4 points	-	100% – 90%
B = 3 points	-	89% – 80%
C = 2 points	-	79% – 70%
D = 1 point	-	69% – 60%
F = 0 points	-	59% and below

Attendance Policy

Regular and prompt class attendance is an essential part of the educational experience. Sumter High School expects students to exercise good judgment regarding attendance and absences. Students will accept full responsibility for ensuring their work does not suffer because of absences and must speak to me and request all necessary makeup work and/or tests when you return. You must come before/ after school to catch up. I will NOT re-teach the lesson during class time. Exceptions may be made for illness and valid emergencies. Each day with an excused absence will provide the student with two days to make up the work missed and must be made up by the next progress report. All missed assignments are recorded as zeros in the grade book until completed or unless excused by me.

Tardys/lateness

A late log sheet is to be signed if you arrive to class after the late bell. This is to ensure you won't be marked absent. The 1st tardy will result in a warning, 2nd and 3rd tardy will result in a call home, and the 4th tardy will result in a referral.

Classroom Expectations

1. Arrive to class on time, be seated, and begin bell work immediately.
2. Be prepared with all required materials and assignments. Put away all unnecessary belongings from the desk.
3. Respect your classmates and teacher.
4. No eating, drinking, cell phones, or other electronics permitted in the classroom – must put away in book bag. (Only water in a clear container is allowed)
5. Follow all school rules listed in the Sumter High School Student Handbook and classroom syllabus.
6. Give your all, all the time.
7. Be responsible for your actions.

Class Requirements- ****SHOW WORK! No work = No credit*

Homework (20 points)

Homework is an essential part of learning. Homework will be given approximately four days a week (Monday, Tuesday, Wednesday, and Thursday) and checked for completion at the beginning of class every day. Each day's homework is worth 5 points and will receive a 2-point reduction if not complete at the beginning of class every day. All four days of homework will be collected at the beginning of class every Friday in my turn in box. It is YOUR responsibility to complete homework assignments. Every day late the packet is not turned in will receive a 10% penalty (20% off over the weekend). After Wednesday the following week (5 days after Friday = 50% penalty) you will only be able to receive 50% and will be collected up until the unit test.

Classwork (Points depending)

Daily notes and activities are to be kept in a notebook/binder. Your notes and work will be collected and graded during every test. If a student is present and fails to turn it in, no credit will be given and the student will not be able to make it up.

Entrance/Exit Tickets (10 points every week)

You will either have a “Warm Up” reviewing the previous days lesson or an “Exit Ticket” assessing your knowledge from that day’s lesson every single day. This will be on a single piece of notebook paper and collected on Fridays.

Quizzes/Tests (Points depending)

Will be given periodically throughout the semester at the end of each section/ unit. Make-up exams will only be given to students who have excused absents.

Class participation (5 points every week)

When entering class, you are expected have all required material and take out your previous nights homework assignment and place it on the right corner of your desk for me to check off. You are to begin the “Warm Up” which will be given to you on the board or on that particular day’s handout. You will be expected to act like a lady/gentleman at all times and to actively participate in the lesson. Each student is to treat all classmates, faculty, and staff with respect and assist in creating a positive learning environment for everyone, including yourself.

Plagiarism, Cheating, and Academic Integrity

Plagiarism is the practice of copying words, sentences, images, or ideas for use in written or oral assessments without giving proper credit to the source. Cheating is defined as the giving or receiving of illegal help on anything that has been determined by the teacher to be an individual effort. Both are considered serious offenses and will significantly affect your course grade. Please refer to the Student Code of Conduct booklet for additional information.

Communication

I will constantly update my weebly website: *davison-math.weebly.com* with announcements, homework assignments, and schedule. I will also be utilizing the remind app, which can be joined through text messaging @shs-algeb2 to the number 81010 or through *remind.com/join/shs-algeb2* to receive weekly updates and announcements via text message. Lastly, the Parent Portal System will keep you up to date with secure access to grades via the Internet. Parent Portal can be accessed from the district website at *shs.sumterschools.net* under the parents section. Please allow adequate time for grades to be updated, especially for tests and projects. Thank you for your considering of my time. Please contact the school office for more information regarding Parent Portal.

General Information

If you are having trouble with this class, come to me immediately and I can work with you. If you wait till the end of the semester, it will be TOO LATE. I will be available to help you understand so you can be successful in this class. Thank you and I look forward to a good semester!

Please initial and sign below

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_____ *I have read, understood, and will abide to the above contract in order to complete the course successfully.*

Student name: _____

Student Signature: _____ Date: _____

Please have a parent/guardian fill out and sign below

Parent / Guardian Email: _____

Parent / Guardian Phone Number: _____

Parent / Guardian name: _____

Parent / Guardian Signature: _____ Date: _____