

Algebra 2

Algebra 2 is the culminating course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits.

COURSE DESCRIPTION:

Georgia Mathematics focuses on actively engaging the student in the development of mathematical understanding by working independently and cooperatively to solve problems, estimating and computing efficiently, using appropriate tools, concrete models and a variety of representations, and conducting investigations and recording findings. There is a shift toward applying mathematical concepts and skills in the context of authentic problems and student understanding of concepts rather than merely following a sequence of procedures. In mathematics classrooms, students will learn to think critically in a mathematical way with an understanding that there are many different solution pathways and sometimes more than one right answer in applied mathematics. Mathematics is the economy of information. The central idea of all mathematics is to discover how knowing some things leads, via reasoning, to knowing more — without having to commit the information to memory as a separate fact. It is the reasoned, logical connections that make mathematics manageable. The implementation of the Georgia Standards of Excellence in Mathematics places the expected emphasis on sense-making, problem solving, reasoning, representation, modeling, representation, connections, and communication.

COURSE GOALS: Upon completion of this course, students should have a firm grasp on graphing and solving various algebraic functions. Below is a breakdown of this course by unit.

Unit 1 – Quadratics Revisited

Unit 2 – Operations with Polynomials

Unit 3 – Polynomial Functions

Unit 4 – Rational and Radical Relationships

Unit 5 – Exponential and Logarithms

Unit 6 – Mathematical Modeling

Unit 7 – Inferences & Conclusions from Data

GRADING SCALE:

A: 90 & above: Outstanding quality of work, on time, almost all problems worked out correctly

B: 80-89: Above average quality, on time, some mistakes in worked problems

C: 70-79: Average quality, on time, frequent mistakes in worked problems but concepts generally understood

FINAL EXAM & EXEMPTIONS:

Exams will be given at the end of each semester and will count 20% of the semester grade.

- Students may exempt semester exams for subjects in which exemption criteria are met. The criteria for exemption eligibility are as follows:

- **Class Average**

A, B, or C

- **Absences**

5 or fewer

- Students assigned in-school suspension or out of school suspension are not eligible for exemption. For the purpose of exemptions only, **two unexcused tardies equals one absence**. Absences that are excused by the Co-Curricular, Military, Non-Instructional days or Administrative days do not count against the student for exemption purposes. All other absences count for exemption purposes (Medical, Legal, Excused & Unexcused). Students exempting exams will receive the average of their two 9 weeks for the semester exam grade.

COURSE ASSESSMENT:

Nine Weeks Grade = 50% (Tests) + 30% (Quizzes) + 20% (Daily)

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

2nd Semester Grade = (3rd 9 weeks + 4th 9 weeks) ÷ 2 x 80% + Semester Exam x 20%

**Grades are based on class participation, class work, homework, tests, quizzes, formative assessments, and any special project that the classroom teacher may assign. Major assessments (tests) are 50% and all other grades are 50%. Final exams will be given at the end of each semester and will count 20% of the semester average. See the LCHS Handbook for the semester exam exemption policy.

SUPPLIES:

- 3-ring binder
- notebook paper, pencils
- Calculator -
 - scientific calculator TI-36X Pro can be used
 - Graphing Calculators – Texas Instruments- are encouraged, but a *class set will be shared at the time of instruction*
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TECHNOLOGY:

- No cell phones or ear devices (headphones, earbuds, earpods, etc.)
- In case of student quarantine, live meets will be available and/or class recordings will be available.

Recording Consent Statement

**Recording a meeting without the consent of all participants may be illegal and actionable. You should obtain consent to record a meeting from all participants, including external guests and guests who join late.

While Online:

- **Be respectful.** While it is easier to say hurtful or disrespectful things without standing face-to-face with someone, it is important to remember that your classmates and teachers are real people who are affected by the words you say and write. It is essential to keep in mind the feelings and opinions of others, even if they differ from your own.
- **Avoid using the caps lock feature AS IT CAN BE INTERPRETED AS YELLING.**
- **Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post and your message might be taken seriously or sound offensive.**
- **Be careful with personal information (both yours and others).**
- **Send all communication to your teacher via your school email.**
- **Grammar and spelling matter.** While texting, textspeak can “b gr8 4 ur” friends. In an educational setting (even online) however, please keep it formal. Any written communication should be professional and reflect proper writing style.
- **Don’t post or share (even privately) inappropriate material.**
- **Be forgiving.** Remember that not everyone will know these rules before posting. Try to be understanding of others when they struggle with written communication. It is very different from simply talking to a person face-to-face.

LCHS Etiquette Rules for Student Online Learning

At LCHS we believe it is important to recognize that the online classroom is in fact a classroom, and certain behaviors are expected when communicating with both your peers and your teachers. These guidelines for online behavior and interaction are known as netiquette.

- Students should log in and attend class daily and for the entire school day (8:15-3:15). Time will be allotted for lunch. Students should take breaks during class changes.

- Attendance will be taken by all teachers. You will be marked present if you are logged in on time and stay in class and engaged throughout the class period.
- Do your own work and do not cheat. Integrity is very important.
- Students need to complete learning activities for each class by the date identified by the teacher.
- Respond to any teacher email or question on assignments within 24 hours, Monday-Friday
- You will be expected to have your video on and your audio muted unless otherwise requested.
- Keep your appearance school appropriate- same rules apply online as in the school- no pajamas, be fully dressed, no offensive clothing, etc.
- Establish a good work space at home (Separate space, clean and organized, have all the tools/items you need, distractions set aside, etc.) You can change your background using a computer app, but be sure to maintain school appropriate backgrounds. Teachers have the prerogative to ask you to keep your background real in times of testing, etc.
- Be sure to follow the set Norms and Participation Expectations established by your teacher in their class syllabus. Proper behavior and interaction with each other online is necessary.
- Expectations for student interaction virtually with students and staff is the same expectation as if in the classroom. Keep your sound muted while the teacher is instructing you.
- Your teacher may be including videos, notes, & slide decks of materials to help you learn the content:
 - Written assignments, online quizzes, reading, or other work to be completed mostly independently may be included.
 - This may include live check-in via video or text chat during scheduled available time per class.
 - Videos or screencasts may be posted of presentations, explanations, etc.
 - Students may be asked to record themselves -- for language, talking through math problems, reading for fluency and comprehension, doing physical activity, music lessons, art projects, etc.
 - You will be using features in google classroom that you are familiar with such as modules, assignments, & quizzes.
 - You will also be using additional features linked on the main course navigation that are useful in an online learning environment such as chat, collaborations and additional use of the Google Calendar for scheduling time during your teacher's office hours.
- Please reach out to your teachers, counselors, principals/assistant principals should you need extra support with your academics, work load or need to connect with an adult. See resource contacts listed below.

- Tech Support : Haley Mims or Kelly Futch- media specialists
mimsha@lee.k12.ga.us futchke@lee.k12.ga.us

Email both ladies a description of your problem, or, if that is not possible, call the school at 903-2260 and ask to speak with the media specialist. If they cannot fix the problem, they will put in a ticket so that someone at the system level can assist you.

- Academic Concerns: -- Classroom Teacher for the Content
 - If students have questions, they are encouraged to contact the teacher via their District-issued email or Google Classroom. We encourage students to remain patient for teachers to provide a response, as teachers may be assisting other students.

Classroom Expectations

- All students are expected to read and abide by the rules listed in the student handbook – Code of Conduct, Behavior Code, Dress Code, and Discipline Procedures.
- Students are expected to comply with basic school protocol such as being prepared and on time for class, maintaining an appropriate noise level, and cleaning up behind oneself.
- No sleeping, eating, drinking, or inappropriate language.
- All assignments are expected to be turned in on time. NO late assignments will be accepted unless extenuating circumstances have been shared with the teacher and administrator. An NI is not an extenuating circumstance!
- If you are absent, **MAKE-UP WORK IS YOUR RESPONSIBILITY!** You will need to copy all the class notes from a friend. Any make-up work not completed within three days, or work missed due to an unexcused absence, will count as a zero. If you missed a test, **see me to make arrangements.**
- Any student who is **NI (non-instructional)** due to a field trip or extra-curricular activity is required to see me **ahead** of time – not after.
- Be respectful at **all** times to **all** persons and **all** property.
- Give 100% effort daily!!! You will only get as much as you give.
- Substitute teachers are considered guests in our classroom and will be treated with the utmost respect. Any misbehavior while a guest is in our room will result in an automatic **thirty-minute** detention after school.

Consequences of Unacceptable Behavior

The following will occur as the result of unacceptable behavior:

- 1st offense: Warning
- 2nd offense: 30 minute detention
- 3rd offense: 30 minute detention/ Parent Contact
- 4th offense: Office Referral

A student who causes a major disruption will be sent to the office immediately. Students in after school detention may be asked to do some light housekeeping duties.

LCCHS Tardy Policy

- 1-2 tardies Warning
- 3rd tardy Teacher - assigned Lunch Detention
- 4th tardy Teacher - assigned Lunch Detention/Parent contact(noted in IC)
- 5th tardy Teacher - inputs SWARM/Counselor Referral
- 6th tardy Discipline referral - Before/After School Detentions-Parent contact
- 7th tardy Discipline referral - Sat. School
- 8th tardy Discipline referral - 1 day of ISS and loss of good standing
- 9th tardy Discipline referral - 2 days ISS
- 10+ tardies Discipline referral - administration discretion