Legacy High School
2701 West 136th Ave • Broomfield, CO 80023
Office: (720) 972-6700 • Fax: (720) 972-6899
http://www.legacy.adams12.org

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School Year	2023 - 2024	Teacher Name	Isabel Greenhut
Office	A108	Website	https://sites.google.com/adams12.org/greenhutmath/home
Phone	720-972-6768	Classroom	D211
Email Address	gre027536@adams12.org		

Course Name		Integrated Math II
Course Description		Integrated Math II expands into quadratic, absolute value, and other functions. Students will also explore polynomial equations and factoring, and probability and its applications. Coverage of geometry topics extends to polygon relationships, proofs, similarity, trigonometry, and circles.

Unit of Study	Grade Level Expectations/Content Standards	Approximate Time Spent or Percent of time Spent	Targeted Date of Assessment
Chapter 1: Functions and Exponents	Students will explore absolute value, piecewise, and inverse functions. They will also expand their knowledge of exponents to include rational exponents, which will allow students the opportunity to expand the domain of exponential functions from integers to all real numbers.	**9 Days**	8/25
Chapter 2: Polynomial Equations and Factoring	Students will perform arithmetic operations with polynomials to begin their introduction to quadratics. They will begin making connections between factoring and the graphs of polynomials.	**21 days**	9/27
Chapter 3: Graphing Quadratic Functions	Students will immerse themselves into quadratic functions. They will explore quadratics written in different forms and how that affects the way they will graph or solve the functions.	**16 days**	10/27
Chapter 4: Solving Quadratic Equations	Students will immerse themselves into quadratic functions. They will explore quadratics written in different forms and how that affects the way they will graph or solve the functions.	**23 days**	12/8
Chapter 5: Probability	Students will build on their knowledge of probability and two-way tables.	**4 days**	12/14
Semester 1 Final	Multiple Choice Cumulative assessment of Chapter 2, 3 and 4 spanning two days.	**2 Days**	12/21
Chapter 6: Relationships Within Triangles	Students will examine relationships within triangles. They will be able to prove these relationships in multiple proof formats.	**18 days**	2/5
Chapter 7:	Students will broaden their knowledge of	**14 days**	3/1

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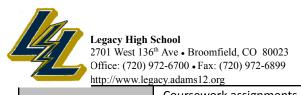Five Star Schools

Quadrilaterals and Other Polygons	quadrilaterals to include the properties of special quadrilaterals. They will use coordinate geometry to prove these properties and give specific names to quadrilaterals.		
Chapter 8: Similarity	Students will explore how proportionality connects to similarity of triangles and other polygons.	**16 days**	3/26
Chapter 9: Right Triangles and Trigonometry	Students will connect Pythagorean Theorem to special right triangles. They will also begin to learn about trigonometric ratios through similarities in right triangles.	**18 days**	5/1
Chapter 10: Circles	Students will explore the relationships of angles formed by lines and segments inside and outside of a circle. In addition they will work with circles in coordinate planes.	**14 days**	5/22
Final Exam	Multiple choice cumulative assessment of Chapters 6-9.	**2 days**	**5/30**

Grading Scale	
A	89.5-100
B	79.5-89.5
C	69.5-79.5
D	59.5-69.5
F	*59.5 or below*

Grade Weights

Grade Percentages/Weights	
Unit Tests	**70%**
Coursework	**20%**
Midterm/Final	**10%**

***Weekly progress grades are posted at
https://ic.adams12.org/campus/portal/adams12.isp**

Student Expectations	
Coursework Grading Policy	Coursework includes in and outside of school assignments and activities. The purpose of coursework is to gain exposure, get practice, and receive feedback in preparation for course assessments. Students are expected to provide their best, genuine attempts on all assignments. All late homework is due by the assessment for that unit. Work must be shown in a notebook for all homework assignments and will be checked in class the following day.
Late-work Policy	All assigned work in this course is important to your understanding of the concepts being covered. It is essential that you complete all work on time. Once a unit test has been taken, no more coursework will be accepted for a grade from that unit.

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	Coursework assignments are **due on the Friday that they are assigned**. If an assignment is one week late, students can earn **up to 75%**. After one week, **half credit will be awarded**. **Students may ask for an extension through email.**
Testing Policy	After each unit there will be a unit test. The test will be graded and entered into the gradebook in the assessments category. Each Unit Test will consist of a Multiple Choice section and a Constructed Response section. Both sections are weighted equally.
Test Retake Policy	Students may retake the Constructed Response portion of an assessment if they complete the assessment review. The retake will only replace the current score if the score on the retake is higher than the original score. Assessment review has to be fully completed and turned in before the original test. The Semester Finals are multiple-choice and will be broken into subsections of questions from each Unit during that quarter. If the score on each Final subsection is higher than the multiple-choice score on its corresponding Unit Assessment, the MC score on the original test will be replaced by that of the subsection on the Final.
Graphing Calculator	Access to a graphing calculator is very important for this course. The TI-84 series is the superior choice for your work at Legacy, and throughout college mathematics. A TI-83 will work as well, but has a slightly different interface. Please avoid other TI models or other brands.
Tardy Policy	Our tardy policy relies on teacher communication, intervention, and consequences. Students are expected to be on time to all classes every day. Beginning each semester, if tardy: 1st -`$3^{rd:}$ Verbal warning by teacher. $5^{th:}$ Teacher will communicate with parent/guardian. $7^{th:}$ 30-minute after school detention served with the teacher in the classroom. Teacher will speak to parent/guardian again. After the 8th tardy, teacher discretion may be used for consequences. Once a student has served three 30-minute detentions with a teacher, a student may be referred to the Deans' Office for defiance of authority.
Cell Phone/ Electronic Device Policy **See District Policy 5030 for further details.**	*Cell phones and other electronic devices, such as smartwatches and tablets, are not to be used during class time, unless permitted by the teacher. If a student is using a phone or other electronic device when not permitted, the teacher maintains the right to act accordingly with District Policy 5030. The following offenses can carry over from day to day.* *1st offense: Device confiscated and transferred to Deans, Parents notified, Device may be released to student.* *2nd offense: Device confiscated and transferred to Deans, Parents notified, Device may be released to parent or guardian* *3rd offense: Device confiscated and transferred to Deans, Parents notified, Device may be released to parent or guardian. Student may be subject to suspension.*

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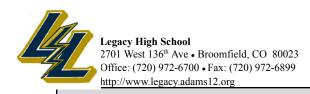| Student Integrity Oath	*I agree to conduct myself with integrity in all regards. I commit to presenting my own work, writing, words, and ideas at all times, unless otherwise attributed. In addition, I will not copy, use communication devices during tests, post assessments for public access, falsely identify myself, or use inappropriate materials. Engaging in any of these activities represents a breach of this oath and subjects me to the disciplinary code of Legacy High School and the Adams 12 Five Star School District. It is my honest intention to uphold this oath.*
Plagiarism/Cheating Policy	Plagiarism means to present, as one's own, the work, writing, words, ideas, or computer information of someone else. (Sources could be published or unpublished.) Cheating is supplying, receiving or using devices. (Examples: looking at or using someone else's work, using crib notes/stolen notes, or using disallowed equipment, etc.) Consequences for plagiarism and cheating (cover all classes and discipline carries over year-to-year): Matrix for Plagiarism/ 1st – 0 on the assignment, teacher calls home and referral 2nd – 0 on the assignment, 1 day suspension, parent/teacher conference, referral 3rd – 0 on the assignment, 2 days suspension 4th – 0 on the assignment, referral to District Discipline Hearing
Materials	The following materials are needed to be successful in this class. In order to learn you must have the appropriate equipment. Please obtain and bring with you **EVERY** day: • **Spiral Notebook** (for notes and homework) • **A small 3-ring binder or folder** (To house courseworks) • **Blank paper** (optional) for courseworks • **Textbook** - Online version on clever.com and/or checked out from school • **Pencil** • **Calculator** TI-83 or TI-84 (TI-84 is preferred) • **Chromebook and Charger (Provided by LHS)**

General Classroom Expectations

Be Prompt – Please be in your seat and working when the bell rings.

1. Be Prepared – This includes being mentally ready to work as well as bringing all the necessary materials EVERY DAY.
   Necessary materials are listed in the syllabus
2. Be Respectful – Please respect other members of the class, the teacher, and the classroom environment. Disruptive and disrespectful behavior will not be tolerated.
3. Participate – I expect each student to be an active and contributing member of the class.

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General Expectations

- Grades are based upon the demonstration of proficiency on units associated with a standard given during each formative or summative assessment. Formative grades in addition to summative unit assessments will be used to holistically determine your grade.
- Assessments will be graded based on teacher/district/state rubrics.
- On group projects, students will receive a grade for individual work and a group grade.
- Grades are based on achievement of Content Standards and Grade Level Expectations.

Class Expectations

Missing or incomplete assignments/assessments for this course: Superintendent Policies 6280 Homework and 6281 Make-Up Work will be followed for this course.