



Grade 9 Summer Assignments | 2026-2027

Welcome to Gwynedd, Class of 2030! We're excited for you to join us as new Monarchs. To support a successful start to your freshman year, our faculty has prepared the summer assignments listed below. Incoming 9th graders have assignments in English, Math, and Social Studies. If a course does not appear below, there is no summer assignment for that class. You can also find these assignments on the school website under Academics.

If you have any questions about a summer assignment, please reach out to the Department Chairs below or the faculty members listed within a specific assignment.

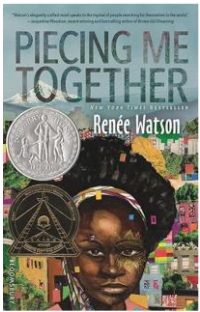


English: Mr. Hopkins ahopkins@gmahs.org

Math: Mrs. Lane llane@gmahs.org

Social Studies: Mrs. Battisto ebattisto@gmahs.org

English 9



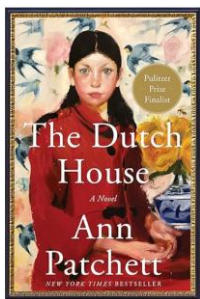
Piecing Me Together – Renee Watson (student purchase)

In English 9, we'll read a wide range of stories—fiction and nonfiction—that will help you become a stronger reader, writer, and thinker. One of our first goals will be learning how to look closely at the choices writers make when telling a story and how these choices impact the reader's experience. We'll specifically focus on the different types of characters in a novel and discuss the ways a writer shapes and utilizes these characters in a story.

This summer, please read chapters 1–68 of *Piecing Me Together* by Renee Watson. You should be prepared to discuss the story when we return. We will read the remainder of the book (chapters 70–76) together in the beginning weeks of the school year. As you read, think about the following questions. You may want to jot down a few notes to bring with you in the fall:

1. What do you notice about Jade as a character? What kind of person is she, and how do you learn that? Make note of specific passages that highlight her character.
2. Think about the other characters in the novel and the different roles they play in Jade's life. How do these characters shape her in unique ways? Make note of specific passages that highlight interactions between Jade and other characters.

Honors English 9



The Dutch House – Ann Patchett (student purchase)

Throughout the Honors English 9 course, you will learn to “read like a writer” and develop your own voice in your writing. During the year, you will read a variety of mentor texts that will help you develop skills in literary analysis, as well as understand and emulate examples of effective writing. Over the summer, please read parts one and two of Ann Patchett's *The Dutch House* (student purchase). As you read, annotate your text and consider the following questions. There is no formal writing assignment due upon arrival in September, but you will use your notes and answers to these questions as the basis for a writing assignment shortly after you return to school:

1. Consider how Maeve and Danny are characterized through their physical description, behavior, and dialogue.
2. How is the Dutch House a source of both comfort and conflict for Maeve and Danny?
3. In what way does *The Dutch House* resemble Fairy Tales you may have read or seen?
4. Why is Danny an effective narrator for *The Dutch House*? How might the novel change if it were narrated by Maeve or Andrea?

Algebra 1

Welcome to Algebra 1! As you will be entering Algebra 1 next year, we would like to make sure that you are refreshed on all your Pre-Algebra skills and ready for the year ahead. Throughout the summer we would like you to complete a few tasks on [Delta Math](http://www.deltamath.com) (www.deltamath.com). Delta Math is a free online math resource to help you with almost any topic in mathematics. We will then continue to use Delta Math throughout the year.

Step 1: We ask that you create a Delta Math student account. (If you already have a Delta Math account you can just skip this step and login.) All you need is an email to login.

Step 2: Course Code: P896-KX7Q

Step 3: Subject: **Summer 2026 Algebra I**

Step 4: Delta Math will show you the skills that you need to complete. You need to solve **5-10 problems correctly** from each skill posted. Each skill will dictate how many you must complete. Click on the “show solution” button if you are unsure how to solve a problem.

We ask that you work on Delta Math at least once a week over the summer:

Week Number	Assignment Name
Week #1	Fractions 1. Adding/Subtracting Fractions (Positive) 2. Multiply/Divide Fractions (Positive)
Week #2	Integers 1. Adding and Subtracting Integers 2. Multiplying and Dividing Integers
Week #3	1. Order of Operations (if you don't get the required amount in the time, that's ok) 2. Proportions
Week #4	Percents 1. Percent of a Whole
Week #5	Coordinate Plane 1. Identifying Points (Level 1)
Week #6	Distributive Property 1. Distributive Property (Basic)
Week #7	Combining Like Terms 1. Combine Like Terms (Basic, Integers)

Week #8	Writing Algebraic Expressions 1. Words to Expressions 2. Words to Expressions (Compound)
Week #9	One-Step Equations 1. One Step Equations (Add/Subtract) 2. One Step Equations (Multiplication)
Week #10	Two-Step Equations

With vacations, camps, etc., we understand that there may be some weeks where you may not be able to log on and other weeks where you can spend more than 10 minutes on Delta Math. We broke this up as a general outline for the summer tasks, yet you by no means need to follow this exactly. By the start of the school year, we are asking that you have completed all the assignments.

This summer assignment will be considered your first assignment for Algebra 1. You will be graded using the following rubric. This assignment should be completed by September 1, 2026. **Additionally, you need a TI-84 or higher graphing calculator for the START of the school year. Please buy one over the summer so you are prepared.**

Category Name	Description	Value
Skills Practiced	You will be awarded up to 40 points for the skills you complete correctly on Delta Math. We will convert your grade from Delta Math (out of 100%) to a grade out of 40 points.	/40
Assessment	Score on a 30-point assessment in the beginning of the year on fractions, order of operations, the distributive property, one-step equations, and two-step equations.	/30
Total		/70

Again, please feel free to e-mail Mrs. Lane (llane@gmahs.org) if you have any questions or concerns about this assignment.

We wish you a safe, happy summer and we look forward to meeting you in the fall!

The Gwynedd Mercy Academy Mathematics Department

Honors Algebra 1

Welcome to Honors Algebra 1! As you will be entering Honors Algebra 1 next year, we would like to make sure that you are refreshed on all your Pre-Algebra skills and ready for the year ahead. Throughout the summer we would like you to complete a few tasks on [Delta Math](https://www.deltamath.com) (www.deltamath.com). Delta Math is a free online math resource to help you with almost any topic in mathematics. We will then continue to use Delta Math throughout the year. If you have any questions, comments, or concerns with Delta Math, please feel free to e-mail Mrs. Lane at llane@gmahs.org.

1. Watch the Summer Assignment Screencast on how to set up your account and use Delta Math.
2. Create a Delta Math account. You need an email to login. Please write this down somewhere safe, as you will need to sign in to Delta Math every time. (If you already have a Delta Math account, you do not need to create a new one.)

Teacher Code: **644644**

3. Subject: **Summer 2026 Honors Algebra 1**
4. Delta Math will show you the skills that you need to complete. You need to solve **5 problems correctly** from each skill posted. If two skills are posted, you need to solve 10 problems. Click on the “show solution” button if you are unsure how to solve a problem.

We ask that you work on Delta Math at least once a week over the summer. Approximately 10 weeks total for a minimum of 12-15 minutes each:

Week Number	Skills to Practice
Week #1	Using Ratio Language Tables of Equivalent Ratios (Guided)
Week #2	Words to Expressions Words to Expressions (Compound)
Week #3	Combine Like Terms (Algebra Tiles) The Distributive Property (Level 1)
Week #4	Order of Operations
Week #5	One-Step Equations with (Positive) Whole Numbers
Week #6	Two-Step Equations Linear Equations with Distributions (Level 1)
Week #7	Three-Step Linear Equations Linear Equation with Distribution (Level 2)
Week #8	Linear Inequality and Number Line (Level 1) Linear Inequalities and Number Line (Level 2)
Week #9	Linear Inequalities (Level 1)
Week #10	Convert Scientific Notation to Standard Form Convert Number to Scientific Notation

With vacations, camps, etc. we understand that there may be some weeks where you may not be able to log on and other weeks where you can spend more than 12 minutes on Delta Math. We broke this up as a general outline for the summer tasks, yet you by no means must follow this exactly. Just by the start of September we are asking that you have spent **at least 120 -150 minutes (~ 2 hours)** on Delta Math and have attempted all the skills listed in the skills to practice. The more practice you put in the better, but please do not feel like you need to spend your whole summer working through more problems than necessary.

This summer assignment will be considered your first assignment for Honors Algebra 1. You will be graded using the following rubric. Part of this grade will come from a 30-point assessment on all the sections listed above. The Delta Math assignment should be completed prior to September 1, 2026.

Category Name	Description	Value
Skills Practiced	You will be awarded up to 40 points for the skills you complete correctly on Delta Math. We will convert your grade from Delta Math (out of 100%) to a grade out of 40 points.	/40
Assessment	Score on a 30-point assessment in the beginning of the year on all skills covered above.	/30
Total		/70

Again, please feel free to e-mail Mrs. Lane (llane@gmahs.org), if you have any questions or concerns about this assignment.

We wish you a safe, happy summer and we look forward to seeing you again in the fall!

The Gwynedd Mercy Academy Mathematics Department

Honors Algebra 2

Welcome to Honors Algebra 2! As you will be entering Honors Algebra 2 next year, we would like to make sure that you are refreshed on all your Algebra skills and ready for the year ahead. Throughout the summer we would like you to complete a few tasks on [Delta Math](http://www.deltamath.com) (www.deltamath.com). Delta Math is a free online math resource to help you with almost any topic in mathematics. We will then continue to use Delta Math throughout the year. If you have any questions, comments, or concerns with Delta Math, please feel free to email Mrs. Lane (llane@gmahs.org).

1. Create a Delta Math account. You need an email to login. Please write this down somewhere safe, as you will need to sign into Delta Math every time. (If you already have a Delta Math account, you do not need to create a new one.)
2. Course Code: Z6KL-43Y8
3. Subject: **Summer 2026 Honors Algebra 2**
4. Delta Math will show you the skills that you need to complete. You need to solve **5 problems correctly** from each skill posted. Some weeks that will mean you complete 10 problems. Click on "Show Example" if you are unsure how to solve a problem.

We ask that you work on Delta Math at least once a week over the summer.

Approximately 8 weeks total for a minimum of 12-15 minutes each:

Week Number	Skills to Practice
Week #1	<u>Solving Linear Equations</u> 1. Linear Equations w/ Distribution (Level 2)
Week #2	<u>Linear Inequalities</u> 1. Linear Inequalities (Level 2)
Week #3	<u>Graphing</u> 1. Graphing lines from Equations 2. Graphing $Ax + By = C$ from intercepts

Week #4	<u>Intro to Slope</u> 1. Finding the Slope from Points 2. Standard to Slope Intercept form
Week #5	<u>Slope – Intercept Form</u> 1. Lines from Point/Slope (Diagonal Only) 2. Line Equations from Point/Slope
Week #6	<u>Point – Slope Form</u> 1. Factor Trinomials ($a=1$) 2. Factor Trinomials ($a > 1$) Level 1
Week #7	<u>Systems of Equations</u> 1. Systems of Equations (Elimination Level 1) 2. Write System from Context
Week #8	<u>Radicals</u> 1. Simplify Radicals
Week #9	<u>Quadratics</u> 1. Solve quadratics by factoring 2. Quadratic formula
Week #10	<u>Exponents</u> 1. Negative Exponents (Type 2) 2. Exponential Rules (Level 2)

With vacations, camps, etc., we understand that there may be some weeks where you may not be able to log on and other weeks where you can spend more than 12 minutes on Delta Math. We broke this up as a general outline for the summer tasks, yet you by no means must follow this exactly. Just by the start of September we are asking that you have spent **at least 96 -120 minutes (< 2 hours)** on Delta Math and have attempted all the skills listed in the skills to practice. The more practice you put in the better, but please do not feel like you need to spend your whole summer working through more problems than necessary.

This summer assignment will be considered your first assignment for Algebra 2. You will be graded using the following rubric. Part of this grade will come from a 30-point assessment on all the sections listed above. The Delta Math assignment should be completed prior to September 1, 2026. **Additionally, you need a TI-84 or higher graphing calculator for the START of the school year. Please buy one over the summer so you are prepared.**

Category Name	Description	Value
Skills Practiced	You will be awarded up to 40 points for the skills you complete correctly on Delta Math. We will convert your grade from Delta Math (out of 100%) to a grade out of 40 points.	/40
Assessment	Score on a 30-point assessment in the beginning of the year on all skills covered above.	/30
Total		/70

Again, please feel free to e-mail Mrs. Lane (llane@gmahs.org) if you have any questions or concerns about this assignment.

We wish you a safe, happy summer and we look forward to seeing you again in the fall!

The Gwynedd Mercy Academy Mathematics Department

AP Human Geography

What is where? Why there? Why care?

These are the questions we will try to answer in AP Human Geography this year. Geography is the study not only of physical features and systems (as commonly thought) but of human systems; where population is distributed, what cultural, social, and economic patterns exist throughout the world, and what impacts human activities have on cultural and physical landscapes. This course is organized into seven units, broadly organized into three categories: cultural geography, political geography, and economic geography. The study of geography requires reading and analyzing data in the form of maps, charts, graphs, and photographs; these skills are essential to success in this class.

Our first unit is an introduction to spatial thinking and key geographic concepts we will use throughout the year. This summer assignment will introduce you to some of these concepts, skills, and ideas that will carry through every unit. Please complete the reading and graphic organizers and be prepared to turn it in on the first day of regular classes.

Summer Assignment: A Brief Explanation

This year you will complete seven “Geo-Journals” (one for each unit of study). These journals include required readings from the textbook and vocabulary, graphic organizers, and other activities to guide your reading and help you understand and retain the information. For the most part, Geo-Journals are completed as homework over the course of the unit (usually about a month), and they are turned in at the end of the unit for a 25 point homework grade.

Each unit has three “Big Ideas” categories, including Patterns and Spatial Organization (PSO), Impacts and Interactions (IMP) and Spatial Processes and Societal Change (SPS). These categories are used to organize the key concepts and main ideas of each unit. You will see these categories, along with their guiding questions, in each Geo-Journal you complete this year.

Your summer assignment consists of your Unit 1 Geo-Journal. As you will see, it includes the required textbook readings, essential information you should know, and guided notes to take as or after you read. The first two chapters of your textbook are available for you in PDF format with this assignment; you will receive a physical copy of the text in September.

Please complete the reading (Chapters One and Two) and all sections of the activities included in this document (Part 1 and Part 2).

Please color and label the three maps. The first map (Big Picture) and second map (A Closer Look) organize the world into regions. We will refer to these regions throughout the year, so it is important you learn them. The third map requires you to label the states of the USA (capitals are not required).

You may email me with any questions or concerns you have at ksteiert@gmahs.org. Please note that I do not check my emails daily during the summer, but I will respond to you as soon as I’m able. I look forward to meeting you and learning with you in the coming year!

- Mrs. Steiert

[AP Human Geography Summer Assignment](#)

[AP Human Geography - Text Chapters 1-2](#)