



6th Grade Summer Project

Name: _____

Grade Level Expectations

<p style="text-align: center;">English Language Arts</p> <p>In middle school, analysis and writing take a big focus. Rhetoric is introduced in 6th grade. In this grade, students go from explaining the theme to analyzing it. Students progress from examining character perspective to working with complex narrator types. Students are also being introduced to literature from historic time periods. This framework should help students in building a body of knowledge useful in being able to interpret multiple layers of meaning.</p> <p>In middle school, those periods are as follows:</p> <ul style="list-style-type: none"> • Colonial and Early National Period (1600–1830) American Literature • Romantic Period (1790–1870) • Realism and Naturalism Period (1870–1930) • Modernist Period (1910–1945) • Contemporary Period (1945–present) 	<p style="text-align: center;">Math</p> <ul style="list-style-type: none"> • Students should be fluent in all multiplication fast facts (0-12). • Students should know how to round numbers up to two digits after the decimal point. • Students should know how to add and subtract fractions with unlike and like denominators • Students should know be able to translate words into numerical expressions • Students have seen multiplying and dividing fractions • Students should be able to classify 2D and 3D figures based on attributes • Students should be able to find the perimeter and area of rectangles • Students should be able to find the volume of rectangular prisms • Students should be able to plot points on a coordinate plane • Students should be able to find the mean, median, mode and range
<p style="text-align: center;">Science & Social Studies</p> <ul style="list-style-type: none"> • Students will need to label world map • Work on map skills including longitude and latitude • Come with an understanding of timelines B.C.E. & C.E. • Come with a notebook ready to take notes • Be prepared to understand river valley civilizations and the different empires throughout history. • Starting from early humans to the Roman Empire 	<p style="text-align: center;">Study Skills</p> <ul style="list-style-type: none"> • Utilize Connect to stay up to date on weekly assignments and contact teachers for questions or completed late assignments. • Be familiar with google drive (google docs, google sheets, google slides) as well as Microsoft Office (word, PowerPoint, and excel) • Incorporate regular study habits into a routine (example: pomodoro technique) • Utilize materials for reference: reference sheets, notes, textbooks, and novels.
<ul style="list-style-type: none"> • Memorize a lock combination and open the lock within a minute. • Be prepared for class with at minimum a pencil and paper each day 	



Please complete 2 tasks from the table below:

Number and Operations	Algebraic Reasoning	Geometric Reasoning	Measurement	Fractions
<p>Create a six piece domino game where students match multiplying decimals and whole numbers by powers of ten</p> <p>Write a rap that can help someone remember how to multiply using the standard algorithm</p> <p>Use a shopping catalogue and come up with the total when adding 10 items together</p>	<p>Create a flow chart that shows the steps to evaluate numerical expressions</p> <p>Construct a five page numerical patterns book. Each page will need to have a coordinate plane, the x-axis and y-axis and create a chart to show points that will create a pattern</p>	<p>Write a how-to paragraph describing the steps and plotting points on a coordinate plane</p> <p>Create a hierarchy diagram that includes a polygon, rhombus, parallelogram, square and rectangle</p> <p>Make a venn diagram that compares and contrasts the properties of two shapes</p>	<p>Create a five problem math warm up about conversions. Include the answer key</p> <p>Jump and measure the distance you traveled ten times. Record the data and plot on a line plot.</p> <p>A cereal box has the volume of 192 cubic inches. What are the possible dimensions for the cereal box?</p>	<p>Design a bookmark that helps others remember the steps to divide a fraction</p> <p>Create a foldable teaching others how to add and subtract fractions with like and unlike denominators</p> <p>Create a cube and label each side with a different fraction. Roll the dice twice and add the two fractions together. Do this five times.</p>

Math Websites:

- Desmos
- IXL
- Reflex
- Frax



Please complete 2 tasks from the table below:

Nature of Science	Physical Science	Life Science	Earth and Space Science
<ul style="list-style-type: none"> ➤ Create a poster on why you think science is important. Include information and pictures that demonstrate why you believe Science should be studied and why it applies to everyday. ➤ Imagine a mad scientist is trying to take over the world. Develop a strategy using the scientific method on how you could stop him. ➤ Create a brochure on a scientific method. Include each step and a description of the step. Include pictures and reasons why the scientific method is important. ➤ Write a suggestion on a weather project that you would like to do in December. Be sure to include all the details. 	<ul style="list-style-type: none"> ➤ Create a Venn Diagram comparing constructive and destructive forces. ➤ Create a map of Georgia labeling and describing at least 3 major landforms that were created by either destructive or constructive forces. ➤ Use iMovie or PowerPoint to create a short presentation about the layers of earth. 	<ul style="list-style-type: none"> ➤ Test- Create a 20 question Life Science Test Include: Answer key; Use any combination of the following: Multiple Choice, Matching, True/False, and Short Answer. ➤ Children's Book- Write and design a book for a second grader that explains Energy or The Ecosystem, from Life Science. Include: 5-½ pages, 5 images, Table of Contents, Glossary for 5 vocabulary words. ➤ Research- Read a book about life science then write a 3-paragraph summary about the book. Include: 3 paragraphs, your own summarization of the reading, the Title and Author of your book. ➤ Poster- Create a neat and colorful poster about life science. Include: neat and easy to read images, diagrams, and writing; use all the space on the poster 	<ul style="list-style-type: none"> ➤ Create a commercial or detailed brochure that will entice people to sign up for a space cruise to multiple destinations in our solar system. ➤ What types of technology are used to study the night sky? Choose one and create a PowerPoint about it. ➤ Create a Venn Diagram in which you compare and contrast "renewable resources" and "nonrenewable resources" ➤ Read a nonfiction book or website article about the Earth's layers. Make a list of the most important facts you found in this book. ➤ Form a model of the layers of the earth. Use an index card to explain the model.



Please complete 2 tasks from the table below:

World History	Geography	Economics	Civics & Government
<p><u>Mosaic/Collage</u></p> <p>You will create a mosaic/collage that includes pictures, symbols, etc. that represent an ancient country or empire. This should be done on notebook paper or construction paper.</p>	<p><u>Postcard</u></p> <p>Pick a place in the world you want to visit. Then write a postcard to a friend about 3-5 facts you learned about the place. You can create the postcard from paper or PowerPoint.</p>	<p><u>Historical Resume</u></p> <p>Create a Resume for your character as if they are trying to secure a job in the modern world.</p> <p>**Separate instructions are needed if you choose this assignment.</p>	<p><u>Campaign Poster</u></p> <p>Assume that your character was going to run for a democratic office (even if you are assigned a dictator/monarch). Create a campaign poster for them that has a catchy slogan, pictures and explains their beliefs and philosophies.</p>



Please complete 2 tasks from the table below:

Fluency	Reading	Communication	Vocabulary
Complete a 1 minute "cold read" with a parent. Document how many words per minute they were able to read on the chart attached.	<p>Create a graphic organizer to compare and contrast two characters in the story.</p> <p>Critique the motives of the characters in the text.</p> <p>Use a flow chart to explain several key events from the text.</p> <p>Personify an object from the story, and have it summarize the novel from its own point of view.</p>	<p>Write a poem about two main events in the story.</p> <p>Explain how the text represents information that all students should know</p> <p>Write a letter to the author of the book that describes your opinion of the book or a specific part of the book.</p> <p>Choose a character from your story. Decide which character traits and attitudes they show. Write a paragraph explaining how the character shows those traits and attitudes. Use evidence from your book!</p>	<p>Pick five vocabulary words you found interesting. Use them in a different sentence</p> <p>Create a simile for six vocabulary words. A simile is a comparison of two things or ideas using like or as. Bonus for illustrations!</p> <p>Create a <u>riddle</u> for a least 3 vocabulary words. Your riddle should have a minimum of four lines, should be written in the first person, and the last line should be "What am I?" Include an answer key.</p> <p>Create a <u>crossword puzzle</u> using at least five words. Make sure that you include the clues at the bottom. You must create your own clues.</p>

[illegible]

Books from the recommended reading list to choose from:

- Harriet Tubman: Conductor on the Underground Railroad by Ann Petry
- The Devil's Arithmetic by Jane Yolen
- Treasure Island by Robert Louis Stevenson
- A Long Walk to Water by Linda Sue Park
- Tales of the Greek Heroes by Roger Lancelyn Green