







## 8TH GRADE SUMMER PROJECT

Student Name:

### Grade Level Expectations

<p><b>English Language Arts</b> </p> <ul style="list-style-type: none"> <li>Students should be able to read grade-level texts with accuracy, automaticity, and appropriate expression.</li> <li>Students should be able to present information orally, in a logical sequence, appropriate volume, clear pronunciation, and appropriate pacing.</li> <li>Students should be able to analyze how setting, events, conflict, and character development contribute to the plot in a literary text.</li> <li>Students should be able to write fictional narratives using a logical sequence of events and demonstrating an effective use of techniques such as dialogue, figurative language, and transitional phrases.</li> <li>Students should use their knowledge of context clues and/or background knowledge to determine the connotative and denotative meaning of significant words in a text.</li> <li>Students should be able to use digital tools to produce writing that includes proper capitalization, spelling, and punctuation.</li> </ul>	<p><b>Math</b> </p> <ul style="list-style-type: none"> <li>Students should be fluent in all multiplication fast facts (0-12).</li> <li>Students should know how to round numbers up to three digits after the decimal point.</li> <li>Students should know vocabulary words associated with the four operations of computation.</li> <li>Students should be able to compute problems involving integers, fractions, and decimals (up to three digits before and after the decimal).</li> <li>Students should be able to solve one step equations and inequalities involving integers, decimals, and fractions.</li> <li>Students should be able to determine the area of quadrilaterals and surface area of rectangular prisms.</li> <li>Students should be able to find mean, median, mode, and range of a data set.</li> </ul>
<p><b>Science &amp; Social Studies</b> </p> <ul style="list-style-type: none"> <li>Students should be able to define a problem, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.</li> <li>Students should be able to demonstrate an understanding of the origins and purposes of government, law and the American political system.</li> <li>Students should be able to evaluate the roles, rights and responsibilities of U.S. citizens, and determine methods of active participation in society, government and the political system.</li> <li>Students should be able to demonstrate an understanding of the principles, functions and organization of government.</li> <li>Students should be able to demonstrate an understanding of contemporary issues in world affairs, and evaluate the role and impact of U.S. foreign policy.</li> </ul>	<p><b>Study Skills</b> </p> <ul style="list-style-type: none"> <li>Utilize Connect to stay up to date on weekly assignments and contact teachers for questions or completed late assignments.</li> <li>Be familiar with google drive (google docs, google sheets, google slides) as well as Microsoft Office (word, PowerPoint, and excel)</li> <li>Incorporate regular study habits into a routine (example: pomodoro technique)</li> <li>Utilize materials for reference: reference sheets, notes, textbooks, and novels.</li> </ul>



# ELA CHOICE BOARD

**Choose 2 activities from the entire choice board.** Each task should be completed on a separate sheet of paper with the subject and number as the header.  
( ie: ELA Vocabulary Task #4).

<b>Fluency</b> 	<b>Reading</b> 	<b>Communication</b> 	<b>Vocabulary</b> 
<b>Task 1</b> Record yourself reading a significant section of the book out loud (at least three paragraphs). In your video, explain why this section of text is significant. Upload your video to: <a href="https://flip.com/3775d204">https://flip.com/3775d204</a>  <i>This section of text can be significant because:</i> <ul style="list-style-type: none"> <li>• a character has gone through a change</li> <li>• a character has learned a lesson</li> <li>• it demonstrates the theme of the book</li> <li>• a major conflict (internal or external is taking place)</li> <li>• it describes the setting, which contributes to the plot</li> <li>• the resolution is taking place</li> </ul> <i>**Mrs. Tavarez will receive a notification when your video is submitted. You will not see it appear on the website until she approves it.</i>	<b>Task 2</b> Create a timeline that highlights at least ten important events in the book. Each timeline event should include: <ul style="list-style-type: none"> <li>• a description of the event (at least two sentences)</li> <li>• an explanation of the importance of the event (at least one sentence)</li> <li>• a symbol/image to represent the event</li> </ul> Your timeline can be made by hand or created on the computer.	<b>Task 3</b> Retell the story (or significant chapter) using: <ul style="list-style-type: none"> <li>• a different point of view</li> </ul> OR <ul style="list-style-type: none"> <li>• a different ending</li> </ul> Include at least one visual (an image, picture, or clip art) to accompany your new retelling.  This should be at least one page (single-spaced and 12-point font) OR at least two pages (double spaced and 12-point font).	<b>Task 4</b> Find 10 words from the novel that are especially significant or challenging to create a glossary. The words chosen should describe or reveal something about characters, the setting, or any important ideas in the book.  A completed glossary will include: <ul style="list-style-type: none"> <li>• the word</li> <li>• the dictionary definition</li> <li>• the connotation of the word</li> <li>• the sentence from the book that includes the word</li> <li>• a visual image to illustrate the meaning of the word</li> </ul>

## Recommended Reading List






(Choose 1 book to read and complete your ELA Choice Board on)

- Little Women by Louisa May Alcott
- The Hobbit by J.R.R. Tolkien
- The Call of the Wild by Jack London
- To Kill a Mockingbird by Harper Lee
- Swiss Family Robinson by Johann David

# Math CHOICE BOARD

**Choose 2 activities from the entire choice board.** Each task should be completed on a separate sheet of paper with the subject and number as the header.

(ie: Math Data Task #4).





<b>Number Sense and Operations</b> 	<b>Algebraic Reasoning</b> 	<b>Geometric Reasoning</b> 	<b>Data &amp; Probability</b> 	<b>Ratios &amp; Proportions</b> 
<b>Task 1</b> Design your own game where players have to add, subtract, multiply rational numbers. After writing step-by-step directions, play your game with a friend or family member and record all of your work on a record sheet.	<b>Task 2</b> Sarah thinks that the following expressions are equivalent: $2x+3=x/2 + 3/4$  Is she right? If so, prove that these two expressions are equivalent. If not, what error(s) did she make?	<b>Task 3</b> A box of crackers has the volume of 100 cubic inches. What are four sets of possible dimensions? Draw a picture of each box, label the dimensions, and prove that 100 cubic inches is the volume.	<b>Task 4</b> Create a bookmark that can be used as a study guide to help students remember the definition of and how to calculate the measure of center and the measure of variation. your book mark should include several examples and a key.	<b>Task 5</b> Create a foldable that teaches others the steps to solving multistep ratio and percent word problems using proportions. Your foldable should include <b>three</b> of the following: <ul style="list-style-type: none"> <li>• discounts</li> <li>• markups</li> <li>• simple interest</li> <li>• tax</li> <li>• tips</li> <li>• fees</li> <li>• percent increase</li> <li>• percent decrease</li> <li>• percent error</li> </ul>



# Science CHOICE BOARD

**Choose 2 activities from the entire choice board.** Each task should be completed on a separate sheet of paper with the subject and number as the header.

( ie: Science Earth Task #2).

Physical Science 	Nature of Science 	Life Science 	Earth Science 
<b>Task 1</b> <b>Energy Scavenger Hunt</b> Take pictures of items around your house that represent each form of energy listed: elastic, gravitational potential, electrical, kinetic motion, chemical, radiant, and sound. Put your pictures with energy labels in a power point or print and glue to paper.	<b>Task 2</b> <b>Scientist Biography:</b> Choose a scientist and tell when they lived, what they discovered, where they lived, how we use their discovery today.	<b>Task 3</b> <b>Video: <u>Virtual Reality Cells</u></b> Enter the wonderful world of Biology!. To understand life around us, we have to first look into cells. This look into human cells is truly amazing. Just use this link on your cell phone or iPad to experience our cells in 3D. Even better if you have a VR headset! Write a reflection of your experience. <ol style="list-style-type: none"> <li>1. What did you learn that you didn't know?</li> <li>2. What questions do you have?</li> <li>3. What did you find amazing?</li> </ol>	<b>Task 4</b> <b>Research all of the different rotation and revolution lengths of all the planets in our solar system. Create a data table or visual to display your findings.</b>









# Social Studies CHOICE BOARD

**Choose 2 activities from the entire choice board.** Each task should be completed on a separate sheet of paper with the subject and number as the header.

( ie: Geography Task #2).

<b>American History</b> 	<b>Geography</b> 	<b>Economics</b> 	<b>Civics &amp; Government</b> 
<b>Task 1</b> <p>Create a political cartoon based on the idea of espionage during the Cold War. A political cartoon should not only inform you of the event, but also try to sway your opinion toward that of the cartoonist. You should warn the American people about possible Soviet spies living among them. Consider the following steps when creating your cartoon: look at some examples; think about your message; consider what symbolism you want to include; think about including exaggerations; label elements in your comic; make use of analogies. Your cartoon should use a full sheet of paper and include color, as well as an original title. Be sure that the end cartoon is a result of your own ideas and not a replica of another artist's design.</p>	<b>Task 2</b> <p>Create a Map of North America labeling the routes of explorers and labeling important discoveries.</p>	<b>Task 3</b> <p>Create a fake social media post from someone that would have lived during Industrialization.</p>	<b>Task 4</b> <p>Write a multi-paragraph essay on what branch of government you think is most important and why.</p>