



Rising 8<sup>th</sup> Grade  
Summer Learning Packet  
Due August 29, 2022

Name: \_\_\_\_\_

Complete the following work using the suggested pacing dates below.  
 Supporting documents and additional details where needed can be found below.  
 Questions about summer homework can be sent to Mrs. Day at [vp@stcaseattle.org](mailto:vp@stcaseattle.org).

	ELA	Math	SS/Science
6/14-7/5	1. Read a choice book Complete IXL lessons: <input type="checkbox"/> IXL.6.FF.1 <input type="checkbox"/> IXL.6.FF.2	7.RP.A.1 Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units. <ul style="list-style-type: none"> <li>- <b>J. Calculate unit rates with fractions</b></li> <li>- <b>A.3 Unit prices</b></li> </ul> 7.RP.A.2a Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line through the origin. <ul style="list-style-type: none"> <li>- <b>J.2 Identify Equivalent Ratios</b></li> </ul> 7.RP.A.2b Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships. <ul style="list-style-type: none"> <li>- <b>K.4 Find the constant of proportionality from a graph</b></li> </ul> 7.RP.A.2c Represent proportional relationships by equations. <ul style="list-style-type: none"> <li>- <b>L.7 Solve percent equations</b></li> </ul> 7.RP.A.3 Use proportional relationships to solve multistep ratio and percent problems. <ul style="list-style-type: none"> <li>- <b>L.9 Percent of Change</b></li> <li>- <b>M.6 Percent of a number: tax, discount, and more</b></li> <li>- <b>M.8 Find the percent: tax, discount, and more</b></li> <li>- <b>M.9 Sale prices: find the original price</b></li> <li>- <b>M.12 Simple interest</b></li> </ul>	Complete 2 current event summaries meeting the attached requirements. <b>RI.7.1-Cite several pieces of textual evidence to support analysis</b> <b>RI.7.2-Determine two or more central ideas of a text. Provide an objective summary.</b>

<p>7/5-7/26</p>	<p>1. Complete one choice assignment (in instructions) for your book.</p> <p>2. Begin a second choice book.</p> <p>2. Complete the following IXL:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 7.K.3</li> <li><input type="checkbox"/> 7.K.4</li> <li><input type="checkbox"/> 7.K.5</li> </ul> <p><b>RI.7.1- Cite several pieces of textual evidence to support analysis</b></p>	<p>7.EE.A.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.</p> <ul style="list-style-type: none"> <li>- R.11 Multiply using the distributive property</li> <li>- R.14 Add and subtract linear expressions</li> <li>- R.16 Factors of linear expressions</li> </ul> <p>7.EE.B.3 Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.</p> <ul style="list-style-type: none"> <li>- E.11 Evaluate numerical expressions involving decimals</li> <li>- G.18 Evaluate numerical expressions involving fractions</li> </ul> <p>7.EE.B.4a Solve word problems leading to equations of the form <math>px + q = r</math> and <math>p(x + q) = r</math>, where <math>p</math>, <math>q</math>, and <math>r</math> are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.</p> <ul style="list-style-type: none"> <li>- S.6 Solve two-step equations</li> </ul> <p>7.G.B.4 Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a</p>	<p>Complete 2 current event summaries meeting the attached requirements.</p> <p><b>RI.7.1-Cite several pieces of textual evidence to support analysis</b></p> <p><b>RI.7.2-Determine two or more central ideas of a text. Provide an objective summary.</b></p>
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		<p>circle.</p> <ul style="list-style-type: none"> <li>- AA.5 Area of circles</li> <li>- AA.6 Circumference of circles</li> </ul>	
<p>7/27-8/23</p>	<p>Complete an assignment below for your second choice novel.</p> <p>Language Arts--&gt;Grammar and Mechanics</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> IXL 7.N.4</li> <li><input type="checkbox"/> IXL 7.N.3</li> <li><input type="checkbox"/> IXL 7.MM.2</li> <li><input type="checkbox"/> IXL 7.MM.3</li> </ul> <p><b>L.7.1- Demonstrate command of English language</b></p> <p><b>L.7.1.B- Choose among simple, compound, complex clauses</b></p>	<p>7.G.B.6 Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.</p> <ul style="list-style-type: none"> <li>- AA.2 Area of rectangles and parallelograms</li> <li>- AA.3 Area of triangles and trapezoids</li> <li>- AA.8 Volume of cubes and prisms</li> <li>- AA.12 Surface area of cubes and prisms</li> <li>- AA.18 Area of compound figures with triangles</li> </ul> <p>7.SP.C.8a Understand that, just as with simple events, the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs.</p> <ul style="list-style-type: none"> <li>- DD.2 Probability of simple events and opposite events</li> <li>- DD.9 Probability of compound events</li> </ul> <p>7.SP.C.8b Represent sample spaces for compound events using methods such as organized lists, tables and tree diagrams. For an event described in everyday language (e.g., "rolling double sixes"), identify the outcomes in the sample space which compose the event.</p> <ul style="list-style-type: none"> <li>- DD.14 Counting principle</li> </ul>	<p>Complete 1 current event summary meeting the attached requirements.</p> <p><b>RI.7.1-Cite several pieces of textual evidence to support analysis</b></p> <p><b>RI.7.2-Determine two or more central ideas of a text. Provide an objective summary.</b></p>

## Social Studies and Science Summer Homework Rising 8th Graders

**Directions:** Please read five Science or Social Studies-related newspaper articles from one of these sites: Newsela.com (parent account sign-up required; free); The Learning Network from nytimes.com (5 free articles a month; <https://www.nytimes.com/section/learning>); or npr.org (free). You may also read an article from a physical newspaper such as *The New York Times* or *Seattle Times*. Please DO NOT use an article from a cable news source, such as CNN. While these are good sources of news, this is a reading exercise, and articles with accompanying videos do not show us how well you can read an article.

The most student-friendly site is Newsela.com, as you can choose your reading level. The most challenging sites to read from will be *The New York Times* and NPR.org.

For each article, please include:

- The title of the article, properly capitalized
- The date of the article
- A one paragraph summary of the article, which must include:
  - a topic sentence which gives the main idea of the article;
  - three details that relate to the main idea of the article
  - one piece of evidence from the article properly cited (quote intro., quotes, parenthesis with author's last name)
  - a conclusion sentence that restates the main idea of the article in a new way.

Please note that if you are using the exact words from an article, you must use quotation marks, or it is considered plagiarism. Do not use more than one quote. Aside from evidence provided, the paragraph should be in your own words.

Please make sure each summary is typed and double-spaced, and your grammar, punctuation, and spelling are all correct. You may include multiple summaries on one page, as long as it is clear when one summary stops and a new one begins. If you cannot print out your summaries, please share them on Google Docs by the first day of school with [cmiller@stcaseattle.org](mailto:cmiller@stcaseattle.org).

## ELA Summer Homework for Rising 8th Graders

- ❑ Read two choice books from the e-mailed list (also in Classroom) OR have your book approved by the last day of school.
- ❑ Complete (1) of the following choice projects:
  1. Create a comic strip to depict a summary of your book.
  2. Write a mock interview with the main character.
  3. Create a playlist to depict the mood of your book. List must include a description of why you chose each song.
  4. Write a 3 paragraph essay telling me how your novel would change if set in a different time period.
  5. Find a poem that complements your novel. Include the poem, as well as an explanation of how it relates to your book.
- ❑ Complete (9) Grammar IXL lessons