Dear Growing Up Green Families,

In order to best prepare your child for the upcoming school year, summer homework assignments are meaningful, relevant to our mission and curriculum, as well as FUN! This work will be used in the first few weeks of school in every GUGCS classroom.

All students are expected to complete these assignments and bring them back on the first day of school – August 29, 2016.

All assignments should be returned stapled in one packet or in one folder.

A few important notes:

- The pages in this packet include:
  - Reading Summer Homework
  - Math Project – To complete this assignment you should attach extra sheets of paper to show all of your work and data.
- A brand new book is included that your child or teacher selected for the special summer reading project, compliments of GUGCS! It has been labeled “Summer Reading” on the back cover. Please keep this book in good condition and return it with your child to GUGCS on the first day of school.
- Students will be using their reading book for a special t-shirt project for all 3rd, 4th and 5th graders in September. More details to follow as the year gets started!

In August, you will receive your official GUGCS Family Handbook and class placement assignments in the mail.

If you have questions, concerns, or need help with the work, please be in touch.

Have a safe and happy summer!

Warmly,

Lauren Barkan  
Co-School Leader  
barkan@gugcs.org

Brittany Tuber  
Co-School Leader  
tuber@gugcs.org
Reading Summer Homework

SUPER SPECIAL SUMMER READING BOOK ASSIGNMENT

You have received a SUPER SPECIAL SUMMER READING BOOK that is perfect for you and that you probably can’t wait to read!

Your assignment:

1. Read the book!

2. Complete the assignment on the back of this page.

3. Bring the book and this completed page back with you on the FIRST day of school.

After you turn in your SUPER SPECIAL SUMMER READING BOOK ASSIGNMENT, the fun will really begin! Your first few weeks of school will be spent completing a fun project in your new class all about the book that you read and the assignment that you completed over the summer.

Without reading the book and completing the assignment, you won’t be able to take part in the fun project – so, GET READING!!!
SUPER SPECIAL SUMMER READING BOOK ASSIGNMENT

Title ________________________________  Author ________________________________

Write a letter to the main character of your book. Let them know how you feel about how they handled a situation (or major problem) in their book. Ask them any questions you have about what happened after the story ended (for example: Did your sister ever figure out that you were the one who hid her gold necklace?) Make sure your questions relate to the story and are not just questions about them (like: What’s your favorite color?)

Dear ________________________________,

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Sincerely,

______________________________
(Reader’s Name)
Math Project

Dear Rising 4th Graders,

Over the summer you will choose one mathematics project to complete by the first day of school, Monday, August 29th, 2016.

You can choose one of the following options:

- **A Family Outing**: Objective is to research and recommend different family outings based on costs that you calculate.
- **Longest Bridges of the World**: Objective is to research some of the world’s longest bridges and compare their lengths.

Both projects include a rubric to provide you with a clear understanding of what constitutes excellence and how your work will be evaluated. Refer to the rubric regularly as you work on a project in order to ensure that your work is complete and fulfills the criteria.

You will be expected to present your project in an organized, creative and effective way in September. We look forward to learning how you problem-solve and learning more about you.

Have a fantastic summer!

Your 4th Grade Teachers
A Family Outing

Your parents have asked you to research and compare the cost of different family outings so that you can recommend one with a median price range. Research the costs involved in all members of your immediate family visiting the following venues on a Saturday afternoon: a museum, a zoo, an amusement park, an ice skating rink, or a movie theater.

Requirements:

- Include a break down of the entrance costs for your family for each of the venues you researched and present this information in a bar graph. Be sure to give your graph a title, use an appropriate scale, and label each axis.

- Determine the outing with a median price range and write a recommendation for your parents based on this data

- Write a paragraph explaining how you collected your data and the math you used in completing this project

- Ask a friend or family member to read your project. Have you used correct spelling, punctuation, capitalization, grammar and paragraphing? Edit your work as needed.

Think of a creative way to present your project!

Project Due Date: __________________________
<table>
<thead>
<tr>
<th>Requirements</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show your work</td>
<td>All work is shown and calculations completed accurately</td>
<td>All work is shown with one minor calculation error</td>
<td>Not all work is shown or work contains several calculation errors</td>
<td>Work is not shown or work contains many calculation errors</td>
</tr>
<tr>
<td>Bar Graph</td>
<td>Bar graph includes title, labels on each axis, and appropriate scale. Data is represented accurately.</td>
<td>Bar graph has one feature missing (title, labels on each axis, appropriate scale). Data is represented accurately.</td>
<td>Bar graph has two features missing (title, labels on each axis, appropriate scale) or some data is not represented accurately.</td>
<td>Bar graph has more than two features missing (title, labels on each axis, appropriate scale) or data is not represented accurately.</td>
</tr>
<tr>
<td>Explanation and Recommendation</td>
<td>Explanation and recommendation are very clear and based on data</td>
<td>Explanation and recommendation are reasonably clear and based on data</td>
<td>Some parts of explanation and recommendation are clear and based on data</td>
<td>Explanation and recommendation are unclear or not based on data</td>
</tr>
<tr>
<td>Presentation</td>
<td>Project is presented in a very organized, creative and effective way.</td>
<td>Project is presented in an organized, creative and effective way</td>
<td>Some parts of the project are presented in an organized, creative or effective way</td>
<td>Project is not presented in an organized, creative or effective way</td>
</tr>
<tr>
<td>Total:  /20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Longest Bridges of the World

In this project you will research some of the world’s longest bridges and compare their lengths. Round all measurements to the nearest whole number.

Requirements:

- Use the library or internet to research the names of 4-5 of the longest bridges in the world and mark their locations on a map.

- Record the year each bridge was constructed and three other interesting facts about it.

- How many vehicles use each bridge per day on average? List the bridges in order from least to most traffic per day.

- Create a bar graph to compare the lengths of the bridges. Be sure to include a title, use an appropriate scale, and label each axis.

- Create a table in which you show the length of each bridge in centimeters, meters, and kilometers or in feet, yards, and miles. Explain the strategy you used to convert the measurements.

- Be sure to use correct spelling, punctuation, capitalization, and grammar.

- Think of a creative way to present your project! You might like to create a poster, a book, a multimedia presentation, or a scale model.

Project Due Date: ______________________
# Longest Bridges of the World Rubric

<table>
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<th>2</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Map and Facts about Bridges</strong></td>
<td>Map and facts about the selected bridges are presented very clearly.</td>
<td>Map and facts about the selected bridges are presented clearly.</td>
<td>Some of the map and/or facts about the selected bridges are presented clearly.</td>
<td>The map and/or facts about the selected bridges are missing or unclear</td>
</tr>
<tr>
<td><strong>Bar Graph</strong></td>
<td>Bar graph includes title, labels on each axis, and appropriate scale. Data is represented accurately.</td>
<td>Bar graph has one missing feature (title, labels on each axis, appropriate scale). Data is represented accurately.</td>
<td>Bar graph has two missing features (title, labels on each axis, appropriate scale) or some data is not represented accurately.</td>
<td></td>
</tr>
<tr>
<td><strong>Measurement Conversions Table and Explanation</strong></td>
<td>All measurement conversions are completed accurately. Explanation of strategy is very clear</td>
<td>Measurement conversions include one mathematical error. Explanation of strategy is reasonably clear</td>
<td>Measurement conversions include 2 – 3 mathematical errors. Some parts of strategy explanation are clear.</td>
<td>Measurement conversions include more than 3 mathematical errors. Strategy explanation is unclear.</td>
</tr>
<tr>
<td><strong>Writing Conventions</strong></td>
<td>Strong grasp of all standard writing conventions evident.</td>
<td>Strong grasp of standard writing conventions evident. Has some minor errors that do not impair readability.</td>
<td>Basic grasp of standard writing conventions evident. Errors impair readability.</td>
<td>Minimal grasp of standard writing conventions apparent. Numerous errors distract or confuse reader.</td>
</tr>
<tr>
<td><strong>Presentation</strong></td>
<td>Project is presented in a very organized, creative and effective way.</td>
<td>Project is presented in an organized, creative and effective way.</td>
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**Total:** /20