

Summer Math Family Project: Entering 4th Grade

Dear Families,

This Summer Math Project will be fun for the whole family to participate in. First you will need to download and/or print the project outline and rubric which will also be attached to this letter. Read and follow each step outlined in the list carefully. Parents, I ask that you please assist your son/daughter in researching the price of admission, per family member, to each of the venues outlined in the task list. Once you have identified the cost per family member and found your total then you can round your cost up to the nearest whole dollar. Consider the outing that you are planning with your child, and discuss other factors that may increase the cost of the day trip (gas, tolls, public transportation, meals or snacks etc.). I want you to save your work and include it as research for your project. I ask that you do not use a calculator to find your totals. Any missing work will result in point deduction from your final grade. The purpose of the project is to apply developed/developing skills to real world situations.

I have also added an example of a bar graph that I made using the following webpage: <https://www.mathsisfun.com/data/bar-graph.html>. Please note, the numbers that I used in my bar graph are not accurate. I did not want to influence your research. However, I thought that it would be helpful for you to have a visual to help guide you while you create a bar graph using your own information. You can ask a parent or sibling to help you to navigate the web page from above, input your data, and print out a bar graph of your own research. You do not have to print a digital bar graph. You can get crafty and design a handmade bar graph of your very own.

A complete project should have:

- Your name, your research/notes showing your work.
- A bar graph showing your data.
- A recommendation paragraph written to persuade the adult that will be taking you on your outing.
- A paragraph that describes the process and Math skills that you used during the project written to me, Mr. Dispenza, and a blank rubric for grading. **(Attached to this letter)**
- You can have someone help you to edit your writing. You may type or handwrite your responses. Make sure to use the rubric to check your work. **This will be your first Math grade of the school year.**
- I hope that you enjoy planning a family outing together :)

I cannot wait to see your finished work!

Sincerely,
Mr. Dispenza

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A Family Outing

**** This project is due on the 1st full day of school ****

- **Requirements:** 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, and a movie theater.
- Include a break-down of the entrance costs for your family to 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.
- Decide which outing provides the best value. Write a recommendation paragraph to the adult that will be taking you on your outing. Based on your data, explain which day trip would be the best for your family, and why you believe this outing is the best choice.
- Write a paragraph explaining how you collected your data and the math skills that 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!

Name: _____

Date: _____

Project Rubric: A Family Outing

Requirements	4	3	2	1
Show your work	All calculations are shown and completed accurately.	All calculations are shown with 1 - 2 errors.	Most calculations are shown or calculations contain 3 - 4 errors.	Calculations are not shown or contain more than 4 errors.
Bar Graph	Bar graph includes title, labels on each axis, and appropriate scale. Data is represented	Bar graph has one feature missing (title, labels on each axis, appropriate scale). Data is represented accurately.	Bar graph has two features missing (title, labels on each axis, appropriate scale) or some data is not represented accurately.	Bar graph has more than two features missing (title, labels on each axis, appropriate scale) or data is not represented accurately.
Explanation and Recommendation	Explanation and recommendation are presented very clearly and based on data.	Explanation and recommendation are reasonably clear and based on data.	Some parts of explanation and recommendation are clear and based on data.	Explanation and recommendation are unclear or not based on data.
Writing Conventions • Spelling • Punctuation • Capitalization • Grammar • Paragraphing	Strong grasp of all grade level writing conventions are evident.	Sound grasp of grade level writing conventions are evident. Some minor errors that do not impair readability.	Basic grasp of grade level writing conventions are evident. Errors impair readability.	Minimal grasp of grade level writing conventions are evident. Numerous errors distract or confuse the reader..
Presentation	Project is presented in an organized, creative and Highly effective way.	Project is presented in an organized and effective way.	Some parts of the project are presented in an organized and effective way.	Project is not organized or The presentation shows minimal effort.

Total: _____/20

Name: _____

Date: _____

Project Rubric: A Family Outing
A Blank Rubric for grading

Requirements	4	3	2	1
Show your work				
Bar Graph				
Explanation and Recommendation				
Writing Conventions <ul style="list-style-type: none">• Spelling• Punctuation• Capitalization• Grammar• Paragraphing				
Presentation				

Total: _____/20