Planning a vacation

Your parents have asked you to plan a two week overseas vacation for your family in July. They have a budget of $15,000.

Requirements:

- Choose a suitable destination and research the cost of airfares, hotels, daily food allowance, entrance fees to tourist sites, daily travel costs and spending money for all members of your immediate family. Include a breakdown of all costs.
- Use the internet to research currency exchange rates (for $1, $10, $100) and time differences between your home and the country you will visit
- Show all your work, as well as evidence that you stayed within your budget
- Explain how you collected your data and the math you used in completing this project
- Read through 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: _____

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Planning a Vacation Rubric **Name:** **Date:**

Requirements	4	3	2	1
Show your work	All work is shown and calculations completed accurately	All work is shown with one minor calculation error	Not all work is shown or work contains several calculation errors	Work is not shown or work contains many calculation errors
Budget	Holiday costs fall within $100 of given budget	Holiday costs are within $500 of given budget	Holiday costs are within $1,000 of given budget	Holiday costs are more than $1,000 above given budget
Explanation	Explanation and information about currency rates/time differences is very clear	Explanation and information about currency rates/time differences is reasonably clear	Some parts of explanation and information about currency rates/time differences are clear	Explanation or information about currency rates/time differences is unclear
Writing Conventions . spelling . punctuation . capitalization . grammar . paragraphing	Strong grasp of all standard writing conventions evident	Strong grasp of standard writing conventions evident. Has some minor errors that do not impair readability.	Basic grasp of standard writing conventions evident. Errors impair readability.	Minimal grasp of standard writing conventions apparent. Numerous errors distract or confuse reader.
Presentation	Project is presented in a very organized, creative and effective way	Project is presented in an organized, creative and effective way	Some parts of the project are presented in an organized, creative or effective way	Project is not presented in an organized, creative or effective way

Total: **/20**

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Split The Bill

You visit a new restaurant for dinner with three of your friends. After a delicious meal the waiter hands you the guest check so that you can split the bill equally with your friends.

Requirements:

1. Decide on the type of restaurant you will visit. Create a restaurant menu that shows the price for five different drinks, entrees, sides dishes and desserts. Include the following in your prices:

   All drink prices end in either 0 or 5
   All entree prices end in an odd number
   All side dish prices end in an even number
   All dessert prices end in 9

2. Create a guest check that shows what each person ordered, the cost of each item and the total cost of the meal.

3. Split the bill equally with your friends. How much money does each person need to pay? Explain your thinking.

Think of a creative way to present your project! You can make a poster, a book, a multimedia presentation, or come up with your own ideas.

Project Due Date: _____

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Split the Bill Rubric **Name:** **Date:**

Requirements	4	3	2	1
Menu and Guest Check	Menu clearly shows the price for 5 different drinks, entrees, side dishes and desserts. Guest check clearly shows what each person ordered, the cost of each item and the total cost of the meal.	Menu or guest check are missing one requirement.	Menu and/or guest check are missing several requirements	Menu or guest check are not included
Show Your Work	All work is shown and calculations completed accurately	All work is shown with 1-2 minor calculation errors	Not all work is shown or the project contains several calculation errors	Work is not shown or the project contains many calculation errors
Explanation	Explanation is very clear and logical	Explanation is clear and logical	Parts of the explanation are clear	Explanation is unclear or is not included
Writing Conventions . spelling . punctuation . capitalization . grammar . paragraphing	Strong grasp of all standard writing conventions evident	Strong grasp of standard writing conventions evident. Has some minor errors that do not impair readability.	Basic grasp of standard writing conventions evident. Errors impair readability.	Minimal grasp of standard writing conventions apparent. Numerous errors distract or confuse reader.
Presentation	Project is presented in a very organized, creative and effective way	Project is presented in an organized, creative and effective way	Some parts of the project are presented in an organized, creative or effective way	Project is not presented in an organized, creative or effective way

Total: **/20**

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Build Your Dream Home

You have a budget of $600,000 to buy a block of land and build your own home.

Your house **must** include:

- at least two bedrooms
- at least one bathroom
- kitchen
- laundry

You may choose to include any other rooms.

1. Draw a plan of your home (including front and backyards). Record the measurements for each room. Calculate the **perimeter** and **area** of each room, as well as the **total perimeter and area** of the house.

2. You need to purchase a block of land to build your house on. Choose a suburb in which to build your house, and calculate how much land you will need to purchase. Show the **total cost** for your block of land.

Pelican Cove	$140 per square meter
Blue Lakes	$252 per square meter
Hoppers Fields	$275 per square meter
Ocean Boulevard	$325 per square meter

3. The building costs for your house will be $199.00 per square meter. Calculate the cost based on the measurements on your plan.

4. Each room in your house needs to have flooring. You may choose tiles, carpet, or wooden floorboards. Research prices and record the cost of flooring for each room, as well as the total cost of all flooring.

Your finished project should include:

- a floor plan of your house, including front and back yards (label all measurements)
- the perimeter and area of each room
- the total perimeter and area of your house
- the total perimeter and area of your block of land
- the total cost of the land you will purchase
- the type and cost of flooring chosen (explain how you researched these costs)
- the total cost of your house showing that you stayed within the given budget
  Be sure to show all calculations!

Optional: You may choose to spend any remaining money on paint, wallpaper, or furniture for your house. Research costs and include this information in your presentation.

Project due date: _____

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Build Your Dream Home Rubric **Name:** **Date:**

Requirements	4	3	2	1
Floor Plan	The floor plan is very clear. All measurements are labelled.	The floor plan is clear. All measurements are labelled	The floor plan is unclear. Some measurements are labelled.	The floor plan is unclear. No measurements are labelled.
Show all your work **(including the perimeter and area of each room, the total perimeter and area of your house and block of land, the total cost of land, and the cost of flooring)**	All calculations are shown and completed accurately.	All calculations are shown but contain 1-2 mathematical errors.	Not all calculations are shown or work is shown but includes 3-4 mathematical errors.	Calculations are not shown or include more than 4 mathematical errors.
Budget	Very clearly shows how house was completed within the given budget	Clearly shows how house was completed within the given budget	Attempts to show how house was completed within the given budget, but is unclear	House was not completed within the given budget
Presentation	Project is presented in a very organized, creative and effective way	Project is presented in an organized, creative and effective way	Some parts of the project are presented in an organized, creative or effective way	Project is not presented in an organized, creative or effective way

Total: **/16**

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Feeding a Family Project

Research how much you would need to spend to feed a family of four for one week. Plan 3 meals per day, using **healthy** food choices. You may choose to use internet grocery stores to find the cost of individual food items, visit a supermarket, or use grocery store fliers.

Requirements:

- Create a menu for each day of the week.
- Show all your work, including the costs of individual items, the total costs per day, and the total costs for one week.
- Create a line graph to show total costs for each day of the week.
- Explain how you collected your data, how you made your food choices, and the math you used in completing this project.
- Read through 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: _____

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Feeding a Family Rubric **Name:** **Date:**

Requirements	4	3	2	1
Show Your Work	All work is shown and calculations completed accurately	All work is shown with one minor calculation error	Not all work is shown or work contains several calculation errors	Work is not shown or work contains many calculation errors
Daily Menus	All daily menus show healthy food choices	Most daily menus show healthy food choices	Some daily menus show healthy food choices	Daily menus do not show healthy food choices
Line Graph	Line graph includes title, labels on each axis, and appropriate scale. Data is plotted correctly.	Line graph has one feature missing (title, labels on each axis, or appropriate scale). Data is plotted correctly.	Line graph has two features missing (title, labels on each axis, appropriate scale) or some data is not plotted correctly.	Line graph has more than two features missing (title, labels on each axis, appropriate scale) or data is not plotted correctly.
Explanation	Explanation is very clear and logical	Explanation is clear and logical	Parts of the explanation are clear	Explanation is unclear or is not included
Writing Conventions . spelling . punctuation . capitalization . grammar . paragraphing	Strong grasp of all standard writing conventions evident	Strong grasp of standard writing conventions evident. Has some minor errors that do not impair readability.	Basic grasp of standard writing conventions evident. Errors impair readability.	Minimal grasp of standard writing conventions apparent. Numerous errors distract or confuse reader.
Presentation	Project is presented in a very organized, creative and effective way	Project is presented in an organized, creative and effective way	Some parts of the project are presented in an organized, creative and effective way	Project is not presented in an organized, creative or effective way

Total: **/24**

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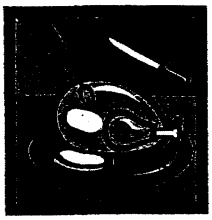

A Thanksgiving Dinner

You are planning a Thanksgiving meal for your extended family. Your guests will bring drinks and side dishes. You will provide a turkey, 4 pounds of apples, 6 pounds of carrots, 8 pounds of potatoes, and 3 large pumpkin pies.

Requirements

1. Determine how big a turkey you will need to buy for your family. Take into account that the suggested weight range for buying a turkey is one to one and a half pounds per adult and three-quarters of a pound per child if you want to have leftovers; or three-quarters of a pound to one pound per adult, and half a pound per child if you do not want to have leftovers. Explain your reasoning.

2. Visit a supermarket, use grocery store catalogues, or an online grocery store to find the total cost of the meal. Show all your work, including the cost per pound for food items where applicable, the total cost for each item, and the total cost of the meal.

3. Research how long it takes to cook a turkey per pound. If your family is planning to eat dinner at 6p.m. what time will you need to start cooking your turkey? Explain your reasoning.

4. Explain how you collected your data and the math you used in completing this project.

5. Present your work in a creative way (e.g. poster, PowerPoint presentation, model, etc.)

6. 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.

7. Prepare a short (3-5 minutes) oral presentation in which you will share your project with the class.

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Thanksgiving Dinner Rubric **Name:** **Date:**

Requirements	4	3	2	1
Show Your Work	All work is shown and calculations completed accurately	All work is shown with one minor calculation error	Not all work is shown or work contains several calculation errors	Work is not shown or work contains many calculation errors
Written Explanation	Written explanation is very clear and logical	Written explanation is clear and logical	Parts of the written explanation are clear	Written explanation is unclear or is not included
Writing Conventions . spelling . punctuation . capitalization . grammar . paragraphing	Strong grasp of all standard writing conventions evident	Strong grasp of standard writing conventions evident. Has some minor errors that do not impair readability.	Basic grasp of standard writing conventions evident. Errors impair readability.	Minimal grasp of standard writing conventions apparent. Numerous errors distract or confuse reader.
Project Presentation	Project is presented in a very organized, creative and effective way	Project is presented in an organized, creative and effective way	Some parts of the project are presented in an organized, creative or effective way	Project is not presented in an organized, creative or effective way
Oral Presentation	Student speaks clearly and confidently throughout the presentation	Student speaks clearly and confidently for most of the presentation.	Student speaks clearly and confidently in some sections of the presentation	Student does not speak clearly and confidently in any part of the presentation

Total /20

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