

Camping Trip Budget with Microsoft Excel

MS365 Tool: Microsoft Excel	Activity Description: Plan a summer camping trip using a pre-established budget
Subject: Math	Learning Objectives: <i>Students will be able to...</i> <ul style="list-style-type: none">• Plan for known costs while staying within a set budget• Apply an appropriate method to calculate costs• Create a visual representation of data

Before the Lesson:

- Ensure students have a working email address, preferably an Office 365 Education Account
- Have students research and calculate the costs of their trip using the graphic organizer (see APPENDIX A)

Introduction:

- Explain the importance of budgeting
 - *i.e., What is a budget? What are the advantages of following a budget?*
- Explain the lesson objectives
 - *In this lesson, we'll be planning a summer camping trip using a set budget. We'll learn how to calculate costs as well as represent the amounts using a chart.*

Activity:

- Open Microsoft Excel
- Open a new blank document
PAUSE to allow students to open a new document
- Begin populating the spreadsheet using the Travel Costs graphic organizer
 - Title
 - "Items" column
 - "Total costs" column
 - Grand total
 - SUM
 - Budget and remaining cash
 - DIFFERENCE
PAUSE following each step to allow students to mirror the task
- Dress up the table
 - Merge cells
 - Formatting options
 - Fill color
 - Border
PAUSE following each step to allow students to mirror the task
- Create a chart
 - Insert chart
 - Formatting options
PAUSE following each step to allow students to mirror the task

Closing:

- Save the document to OneDrive and share it with the teacher
PAUSE to allow students to save and share the document

Assessment:

- Plan: *Does the student plan a trip while staying within the set budget?*
- Calculations: *Does the student use an appropriate method to calculate the costs?*
- Visual: *Does the student accurately represent the data in a chart?*

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Task: You and a friend are planning a three-day camping trip during the summer holidays. You have a budget of 1000\$ to cover all the costs below. Research the costs per item and calculate the totals.

Keep in mind...

1. How many people do you need to plan for? _____
1. How many days do you need to plan for? _____

Travel Costs				
Items	Cost Per Item	Number of People	Number of Days	Total Cost
Travel & Campsite Fees				
Gas (50\$ one way)				
Campsite fee				
Gear				
Tent				
Sleeping bag				
Hiking boots				
Food				
Meals (20\$ per day)				
Activities				
Activity 1:				
Activity 2:				

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	Exemplary	Accomplished	Developed	Beginning	Score	
Plan		The student plans for all aspects of the trip and stays within the budget.	The student plans for most aspects of the trip and stays within budget.	The student somewhat plans for the aspects of the trip but does not stay within budget.	The student plans for few aspects of the trip and does not stay within budget.	/4
Calculations		Student uses an appropriate method to calculate costs. There are no calculation errors.	Student uses an appropriate method to calculate costs. There are 1-2 calculation error.	Student uses a somewhat appropriate method to calculate costs. There are 2-3 calculation errors.	Student does not use an appropriate method to calculate costs. There are more than 3 calculation errors.	/4
Visual		The chart fits the data well and is easy to interpret. The data is displayed accurately.	The chart fits the data adequately and is mainly easy to interpret. The data is mainly displayed accurately.	The chart is difficult to interpret. The data is somewhat displayed accurately.	The chart is missing and/or does not relate to the data.	/4



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