



PLTW Virtual Learning

6th Grade Intro to Tech

April 17, 2020



6th Grade Intro to Technology Lesson: April 17 (Part 5 of 5)

Objective/Learning Target:

Students use digital Google tools to plan a vacation while practicing research and budgeting skills.

Warm-Ups:

By now, your virtual trip is almost entirely planned! Today we are focusing on some details you may have forgotten and formatting your spreadsheet to see where your money has gone.

Make two estimates for your Warm-Up today. Without looking at your spreadsheet...

Which category do you think you spent the most money on?

Which category do you think you spent the least money on?

Lesson Introduction/Background Information:

When you become an adult, if you are lucky, you can save your money and plan a vacation. However, most adults can't just go anywhere in the world that they want. We have to think about things like how much time we can get off of work and how much money the vacation will cost.

You aren't an adult yet, and no one can really take vacations right now anyway, but we are going to pretend like those two obstacles aren't in the way for these next few lessons!

Practice:

Review the document that was linked in Lesson 1: [Spring Break Budget Requirements](#). Here are some highlights I want to point out:

- You should not have more than \$50 dollars left over, but you can't spend more than your budget.
 - You do have to leave Independence for your trip.
- You must budget for transportation, however you want to get to your destination.
 - You must stay in your lodging for at least 3 nights, but it can be more.
 - You must budget for at least 2 meals a day.
- You must have at least 1 activity a day and purchase at least 1 total souvenir.

Practice:

First, we want to make sure that we've accounted for everything in your trip. Some things you might need to add in that you forgot are:

- Getting from the airport to your lodging
 - Look at your hotel/Airbnb's website to see if there are any shuttles or trains listed
 - Look up the cost to ride an Uber ([estimator](#)) or Lyft ([estimator](#)) to and from the airport and add in that cost to your spreadsheet
- Getting around the town
 - You might need to add in Uber/Lyft estimates to get to different parts of the city if it isn't a short, walkable distance
- Budget requirement - do you have less than \$50 dollars less?
 - You might need to spend a little more money if you didn't end with between zero and \$49.99 to meet this requirement.

Practice:

Lastly, we are going to get fancy with Google Sheets to calculate how much money we spent per category. Follow along with this video to see how to do that, though I'll put the formulas down below so you can also copy/paste them.

[Video Link for Formula](#)
[Video Link for Chart](#)

Formulas:

Transportation	=sumif(C10:C, D2, B10:B)
Lodging	=sumif(C10:C, D3, B10:B)
Food	=sumif(C10:C, D4, B10:B)
Attractions/Souvenirs	=sumif(C10:C, D5, B10:B)

Self-Assessment:

Show off your trip planning abilities by sharing your spreadsheet with your family members! Be a mini-tour guide by answering their questions about your budget, show them your fancy “sumif” formula you created, and make additions or changes based on their suggestions if you’d like.

Extend Your Learning/Continued Practice:

If you'd like, I've included a video to show you some things you can do to make your spreadsheet look nicer, though this is just an option.

ITINERARY	COSTS	CATEGORY
Flight		
MCI to SAV	\$183.00	Transportation
Lyft from airport to Airbnb	\$25.00	Transportation
DAY ONE		
Airbnb Studio	\$85.00	Lodging
Breakfast	\$5.00	Food
Savannah Riverboat Cruise	\$25.00	Attractions/Souvenirs
Lunch: HITCH	\$20.00	Food
Shop on River Street	\$15.00	Attractions/Souvenirs
Dinner: Huey's on the River	\$15.00	Food
DAY TWO		
Airbnb Studio	\$85.00	Lodging
Breakfast: Clary's	\$15.00	Food
Walk in Forsyth Park	\$0.00	Attractions/Souvenirs
Lunch at Airbnb	\$10.00	Food
Savannah History and Haunts Candlelit Ghost Tour	\$20.00	Attractions/Souvenirs
Dinner: The Ordinary Pub	\$30.00	Food
DAY THREE		
Airbnb Studio	\$85.00	Lodging
Breakfast	\$5.00	Food
Lyft from Airbnb to Tybee Island	\$25.00	Transportation
Tybee Island Beach Day	\$0.00	Attractions/Souvenirs
Lunch: The Crab Shack	\$15.00	Food
Tybee Island Beach Day	\$0.00	Attractions/Souvenirs
Lyft from Tybee Island to Treylor Park	\$20.00	Transportation
Dinner: Treylor Park	\$20.00	Food
DAY FOUR		

View Link: [Video](#)