

Introduction: All rising 4th-grade students at Barrie will have the opportunity to plan a road trip. This project involves many different steps and classroom subjects and allows you to be creative and have fun! You must read through the whole document before beginning so you understand how much time you will need to complete the project. It will be due when you return to school on August 28, 2024.

Task:

1. You will choose a list of ten U.S. cities based on the map included in your packet.
2. Complete each subsequent step in the packet.
3. Write down your findings in the charts included in the packet.
4. Write a persuasive essay to explain why YOUR trip is the best option.

Research: Use the following sources to begin your research. You will also maybe need to use additional resources, but you should keep track of all of the URLs (i.e. the web page addresses) or books that you use.

Introductory Resources:

- [Encyclopedia Britannica](#) (username: barrie password: day)
- [CultureGrams](#) (coming July 1)

Next Steps:

- Your local library is a great resource. Librarians love to help kids research topics. Just ask! You may be able to find some books on your country at the library. You can also use the research portal on the library website (here's [Montgomery County's](#), for example) using your library card.
- While it may be tempting just to Google things, remember that Google is a search engine and not a source!

**Barrie School Upper Elementary Summer  
Homework Project  
May 31, 2024**



## **Imagine if...**

UE students are planning a “BIG” going-out trip. Each student is asked to submit a plan for the trip. Your task in this project is to plan a BIG Going-Out trip for you and your classmates. After planning the trip, you will be writing a letter to the UE teachers (Ms. Beth, Mr. Mike, Mr. Ivan, Mr. Eduardo) to explain why students in UE should go on YOUR trip.

### **Section 1**

On your BIG Going-Out, you are allowed to visit between five and ten different cities around the United States. Look at the map on the following page to help you decide on the cities you would like to visit on your trip.

**On our trip, I would like to visit the following US cities:**

1) \_\_\_\_\_

6) \_\_\_\_\_

2) \_\_\_\_\_

7) \_\_\_\_\_

3) \_\_\_\_\_

8) \_\_\_\_\_

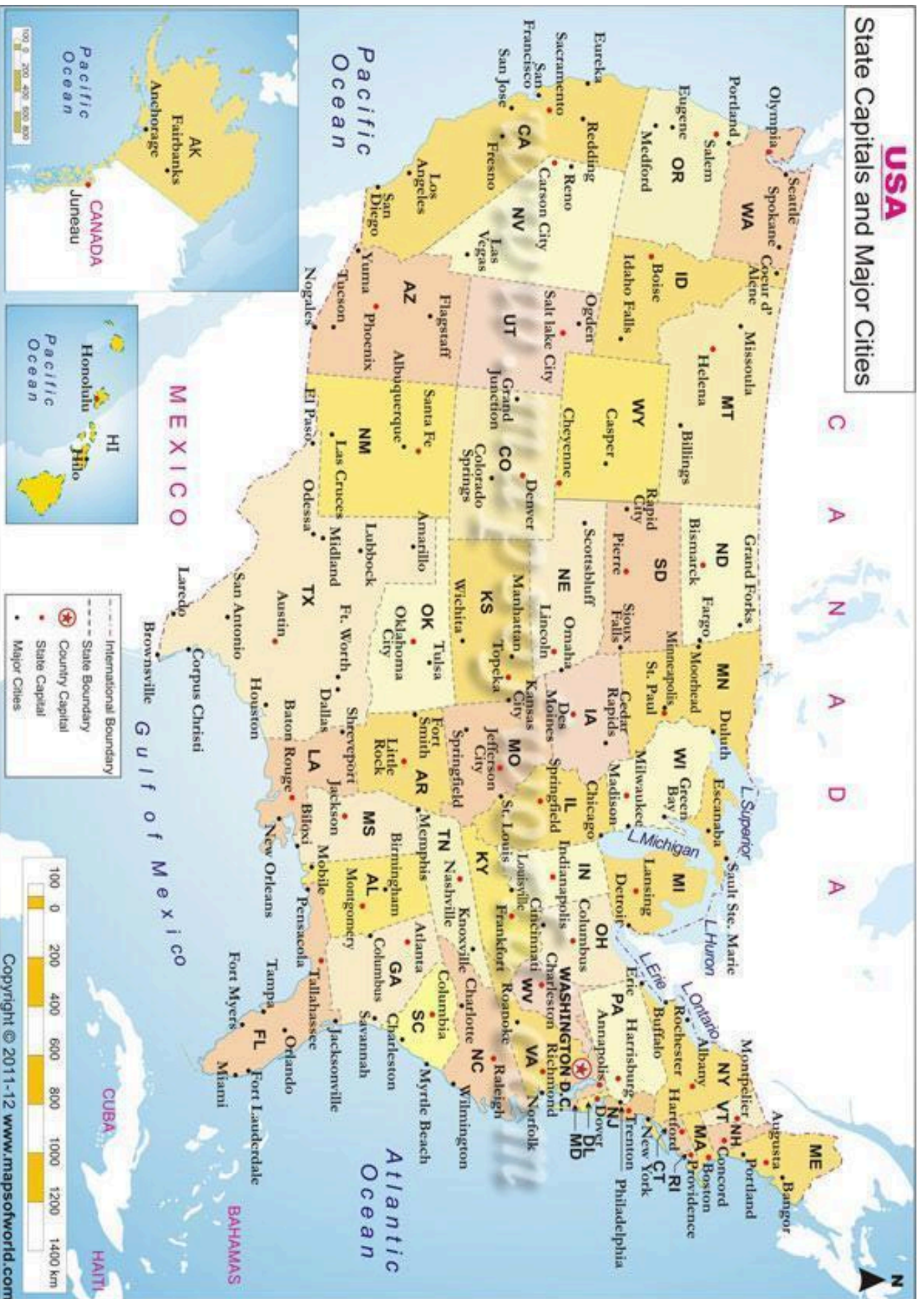
4) \_\_\_\_\_

9) \_\_\_\_\_

5) \_\_\_\_\_

10) \_\_\_\_\_

# USA State Capitals and Major Cities



Now that you have decided on the cities you want to visit, it is time to decide on which order you would like to visit the cities. *It is important that your trip begins and ends ultimately in Washington, DC.* Each time you travel from one city to the next, we will call this one **leg** of your journey. You will also need to calculate the distance in miles between the cities.

To figure out the distance in miles, you can use Google Maps *or* you can use an atlas and measure how long each of the roads are between your two cities. Remember, the End City of Leg #1 will be the Start City of Leg #2.

### Distance Traveled

Leg	Start City	End City	Distance (in miles)
Leg #1	Washington, DC		
Leg #2			
Leg #3			
Leg #4			
Leg #5			
Leg #6			
Leg #7			
Leg #8			
Leg #9			
Leg #10			

Leg #11			
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Total Distance Traveled: \_\_\_\_\_ miles

Now it is time to calculate how long it will take to travel from one city to the next city. On average, we will be traveling at 60 miles per hour (mph), not including breaks. **For example**, if I traveled 250 miles, I would do  $250 \div 60$ . When I do this, I will get 4 R. 10. This means that my trip will take 4 hours and 10 minutes. (If we were not going 60 mph, the math to figure out the minutes would be a bit trickier.)

Lastly, you will decide how many nights you want to stay in the End City. No more than five nights per city.

### Time Traveled

Leg	Distance (in miles)	Driving Time in hours	Number of days in End City
Leg #1			
Leg #2			
Leg #3			
Leg #4			
Leg #5			
Leg #6			
Leg #7			



<b>Leg #8</b>			
<b>Leg #9</b>			
<b>Leg #10</b>			
<b>Leg #11</b>			

**Total Driving Time Traveled:** \_\_\_\_\_

It is time to calculate what kind of cars we will be taking on the trip. Mr. Mike has offered to rent one of the following four cars. Each car will have to hold four kids and one adult. He will be renting two cars in all. Underneath each of the car names, it describes how many miles the car can go per gallon (mpg). After choosing your car, you will find out how much money we would need to raise for the fuel for the trip.



**2023 Ford 150 Pick Up**  
17 mpg



**2023 Ford C-MAX Hybrid**  
43 mpg



**BMW 328d xDrive Sports Wagon FWD**  
35 miles per gallon (mpg)



**2023 Cayenne Turbo GT**  
19 mpg

To find the gallons of gas that you will need for the trip, you will need to take the distance that you will travel and divide by the miles per gallon (mpg) that your car gets. **For example**, if I was traveling 250 miles and I was driving a 2023 Ford 150 Pickup, I would do the following problem:  $250 \div 17 = 14$  and  $R = 12$  round down to 14. I would need 14 gallons of gas for that leg of my trip. If fuel costs \$3.50 per gallon, I would need to multiply  $\$3.50 \times 14$ . The fuel for that leg would be \$49 for one car. The fuel cost for 2 cars could be  $\$49 \times 2$ , which would be \$98.



# Cost of Fuel for Trip

*Please show your math work neatly on a separate sheet of paper!*

For our trip, I am proposing that we rent five \_\_\_\_\_.  
(name of car)

Leg	Distance (in miles)	Gallons of Gas	Fuel Cost for one car (\$3.50 per gallon)	Fuel Cost for TWO cars
Leg #1				
Leg #2				
Leg #3				
Leg #4				
Leg #5				
Leg #6				
Leg #7				
Leg #8				
Leg #9				
Leg #10				
Leg #11				

Total Cost of Fuel for Trip \_\_\_\_\_

It is now time to decide on where we are going to stay as we travel in each of your cities. Choose from one of the following four choices for each of the cities you will be staying in.

### Types of Lodging



TentCamping—4 people per tent  
(\$8.75 per tent per night)



Cabin Camping—6 people per cabin (\$42.35 per  
cabin per night)



Bed and Breakfast—2 people per room (\$35.25  
per room per night)



Hotel—5 people per room (\$84.25 per room per  
night)

# Cost of Lodging for Trip

*Please show your math work neatly on a separate sheet of paper!*

Leg	City	Type of Lodging	Number of Rooms or Cabins or Tents for 8 people	Cost for One Night	Number of Nights	Total Cost of Lodging
Leg #1						
Leg #2						
Leg #3						
Leg #4						
Leg #5						
Leg #6						
Leg #7						
Leg #8						
Leg #9						
Leg #10						

<b>Leg #11</b>						

Total Cost of Lodging for Trip \_\_\_\_\_

## **Additional Costs for the Trip**

It is now time to decide to figure out the additional costs of the trip. In each city, you must find at least one interesting site to visit as a class. This site could be a museum, a show, an amusement park, a historical site, etc. Your job is to use books or the internet to research at least one interesting site to visit in each city. You will then need to calculate the costs of visiting the site remembering that we have 8 students and 2 adults on this trip.

Additionally, you will have to plan the costs of the food and parking. The food will cost on average \$10 per person per day. Parking will cost on average \$10 per car per day. Additionally, car rental costs \$23 per car per day. Please include any other additional costs you think may be needed for your trip.

### **Additional Costs**

*Please show your math work neatly on a separate sheet of paper!*

	<b>Cost per Day</b>	<b>Total Cost of Trip</b>
<b>Food</b>		
<b>Parking</b>		
<b>Car Rental</b>		


**Total Cost of Additional Costs:** \_\_\_\_\_








### **Section 3**

Choose three of your cities to research. For each city, answer the following questions in an outline format.

- I. Name of City #1
  - A. What is one fun fact about this city? (a nickname, a historical event, etc.)
  - B. What is the weather like in this city in the summer and in the winter?
  - C. What is one feature that makes this city unique? (This may be a statue, a building, a significant land formation, etc.)

*(Please include a hand-made drawing of this feature.)*

- II. Name of City #2
  - A. What is one fun fact about this city? (a nickname, a historical event, etc.)
  - B. What is the weather like in this city in the summer and in the winter?
  - C. What is one feature that makes this city unique?

*(Please include a hand-made drawing of this feature.)*

- III. Name of City #3
  - A. What is one fun fact about this city? (a nickname, a historical event, etc.)
  - B. What is the weather like in this city in the summer and in the winter?
  - C. What is one feature that makes this city unique?

*(Please include a hand-made drawing of this feature.)*

Now it is time to persuade your teachers that your BIG Going-Out is the best! It is your job to write a letter to your teachers persuading them to choose your plan for the road trip. Your letter should be in the format of a four-paragraph persuasive essay.

First, create an outline on a piece of paper. If you would like, you are free to copy my outline below (but you can also come up with your own reasons as to why we should go on your BIG Going-Out!).

**EXAMPLE:**

I. Introduction

- A. The interesting cities we will visit on this trip.
- B. The amazing sites we will visit on this trip.
- C. The reasonable cost of this trip.

II. The interesting cities we will visit on this trip

A. Bozeman, MT

- 1. Bozeman has a dry, continental climate.
- 2. Bozeman was the city where the movie, *A River Runs Through It*, was filmed.

B. Olympia, WA

- 1. Olympia is in on the Puget Sound.
- 2. In 1984, Olympia hosted the United States Olympic women's marathon trial.

C. Los Angeles, CA

- 1. Los Angeles has the second largest population in the entire United States.
- 2. The Native American group called the Tongva first settled the area of Los Angeles thousands of years ago.

III. The reasonable cost of this trip

A. The cost of the fuel

- 1. Our trip will be using a Prius, which has the best gas mileage of the cars available.
- 2. Our trip's fuel will cost only \$1,260.

B. The cost of the lodgings

- 1. We will be staying in tents because it is the cheapest way to travel.
- 2. Our trip's lodging will be only \$832.32.

C. The cost of the interesting sites

- 1. We will be going to many different interesting sites, all with the best deals.
- 2. Altogether, our interesting sites will only cost \$526.72.

IV. Conclusion

Use your outline to write your four-paragraph essay in a letter format!

**EXAMPLE OF THE BEGINNING OF YOUR LETTER:**

Dear Mr. Mike,

My name is Dylan, and I am from the Loggerhead classroom. Today I will be talking about why the Loggerheads should go on a BIG Going-Out entitled, "The Out West Extravaganza." First, I will be talking about the interesting cities we will visit on "The Out West Extravaganza." Second, I will talk about the reasonable cost of the trip. After reading this essay, I hope you will be persuaded to let the Terrapins go on the "The Out West Extravaganza." ...

Edit, revise, and publish your essay

**Section 4**

First and Last name: \_\_\_\_\_

Classroom: \_\_\_\_\_

*Final title of your project*

*Picture of your road trip as front page*

## **Section 5**

Tomorrow you will turn in the following:

- A Google Map of your trip highlighted
- Each of the charts from this packet Section 1-3
- The separate sheets of paper on which you completed your math
- Your bar graph comparing city population
- Your city research in outline form
- Your outline for your five-paragraph essay
- Your rough draft of your letter to the UE teachers with evidence that you edited and revised it
- Your published copy of your letter to the UE teachers
- A cover for your project

**EXTRA MILE FOLKS: If you are interested in going the extra mile, after completing the above work, feel free to present your BIG Going-Out in a creative fashion (PowerPoint, diorama, poster, etc.).**