

Vacation Planners, Inc



How is Mathematics used to plan and budget a dream vacation?

You are the owner of a vacation planning company that specializes in researching multiple options for traveling, lodging and attractions. Your company provides the customer with a choice of packages from the very basic “vacation on a budget trips” to the exclusive “no limit to the expense, once in a lifetime vacation trip.”

Your customers trust you to research all modes of transportation from car to RV to plane, all lodging from campgrounds to exclusive hotels and all the expenses involved in with travel. Along with a budget options, you provide a written itinerary, a calendar of events and a detailed scale map to follow on their trip.

The Smith family of four (2 adults, 2 teenagers under 18) has hired you to research their dream vacation from Albany, NY to Orlando, FL. They have a total of 16 days to travel leaving in the afternoon on August 8th and returning August 21st. They would like to stop to explore Washington, D.C., also Atlanta, GA, including a trip to Zoo Atlanta, and end up in Orlando, FL, where they would like to spend six days. You must present them with multiple traveling options with budgetary constraints from \$2,000 to \$10,000 for all expenses incurred except for food and souvenirs.

Your research should include information about and expenses related to:

1. Driving a car round trip staying in hotels.
2. Driving an RV and staying in a campground.
3. Driving only one way and flying back.
4. Exploring at least three attractions in Washington, D.C., at least three attractions in Atlanta, GA, and attractions for six days in Orlando, FL.

Your presentation to the Smith family should include:

1. A detailed written itinerary including dates, times, and places.
2. A calendar of travel, stops and events.
3. A scale map to follow on the trip.
4. Three different written price plan proposals from which the Smith’s will choose their dream vacation.

Guiding Questions

- How much different are the costs for traveling by car, RV, or airplane?
- What would I want to see on a dream vacation to D.C., Atlanta, and Orlando?
- How would I get to all of the attractions on my dream vacation?

I. Tasks

- a. Gather data by researching car and RV rentals, airline tickets, gasoline and diesel prices, hotel vs. campground pricing in D.C., Atlanta, and Orlando and entrance fees to sights in D.C., Atlanta, and Orlando.

II. Products

- a. A detailed written itinerary with dates, times, and places.
- b. An August 2014 calendar complete with travel dates, stops and events.
- c. A scale map of the vacation route.

III. Resources: websites that may be helpful to get you started on your research

- a. www.vroomvroomvroom.com
- b. www.cruiseamerica.com
- c. <http://gasprices.mapquest.com>
- d. www.cheapflight.com
- e. www.priceline.com
- f. <http://www.koa.com/where>

Timeline for Vacation Planners, Inc.

<p>Day #1</p> <p>Project rollout</p> <ul style="list-style-type: none"> *Entry document *Review rubric(s) *Know/Need to Know *Groups, charter pacing 	<p>Day #2</p> <ul style="list-style-type: none"> *Review charter *Assign roles *Review project calendar 	<p>Day #3</p> <ul style="list-style-type: none"> *Research Vehicles 	<p>Day #4</p> <ul style="list-style-type: none"> *Calculations for vehicles 	<p>Day #5</p> <ul style="list-style-type: none"> *Continue research on fuel
<p>Day #6</p> <ul style="list-style-type: none"> *Calculations fuel 	<p>Day #7</p> <ul style="list-style-type: none"> *Research lodging 	<p>Day #8</p> <ul style="list-style-type: none"> *Calculations lodging 	<p>Day #9</p> <ul style="list-style-type: none"> *Research attractions 	<p>Day #10</p> <ul style="list-style-type: none"> *Calculations attractions *Itinerary *Calendar *Scale map
<p>Day #11</p> <ul style="list-style-type: none"> *Itinerary *Calendar *Scale map 	<p>Day #12</p> <ul style="list-style-type: none"> *Price packages 	<p>Day #13</p> <ul style="list-style-type: none"> *Price packages 	<p>Day #14</p> <ul style="list-style-type: none"> *Presentations 	<p>Day #15</p> <ul style="list-style-type: none"> *Presentations