

Travel Project

Mathematics Extension Project



Learning Outcomes

We are learning to:

- ◆ To use mathematics in real life situations

We will be skilled at:

- ◆ Comparing costs to make financial decisions
- ◆ Solving problems
- ◆ Calculating costs
- ◆ Planning & thinking ahead

Project Instructions

You need to plan out your dream holiday and investigate all the different costs included with travelling.

- ◆ Your trip must be from 7-10 days in length.
- ◆ You may travel in or outside of the United States.
- ◆ If you travel in the United States it must be 1,000 miles from our location.
- ◆ **Your grade will depend on accuracy of the mathematics & how many different elements you put into your travel.**

Project Task List

Task	What I need to do	Done?
Destination Choice	<ul style="list-style-type: none">• Brainstorm travel destinations	
Budget	<ul style="list-style-type: none">• Select a budget that suits your trip• You must stick to your budget• Spending money	
Flights & accommodation	<ul style="list-style-type: none">• Find return flights• Find accommodation for the entire trip• Keep list of websites you used to find these costs	
Tours & daily activities	<ul style="list-style-type: none">• Find an activity/tour to do each day- include costs• Create a timetable showing when you will be doing the activities	
Transport	<ul style="list-style-type: none">• Rental car/train/bus/cruise/ferry	
Mapping	<ul style="list-style-type: none">• Create a detailed map of your holiday showing the places you will be traveling to	
Best Buys	<ul style="list-style-type: none">• A travel company has offered you three deals. Find the percentages and choose the 'best buy'	
Total costs	<ul style="list-style-type: none">• Create a detailed table showing all of the costs for your trip	

Part 1: Exploring

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Our Travel Experiences

What trips have you been on? Domestic? International?

- ◆ Where did you go?
- ◆ What did you do?
- ◆ Did you plan the holiday on your own?
- ◆ Was a travel agent used?
- ◆ What kind of travel guides, brochures, books, etc. help plan the holiday?

Travel Brochure Exploration

Get some travel brochures/ booklets from your local travel agent for the kids to explore.

Things the students could talk about:

- ◆ How is it set out?
- ◆ What is included in travel booklets?
- ◆ Are there pictures?
- ◆ What do the pictures show?
- ◆ Is this information useful?

Part 2: Planning

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Planning

Brainstorm

- ◆ Will you travel by yourself or with a friend?
- ◆ What countries might you visit?
- ◆ Which might you like to go to the most? What could you visit there?
- ◆ What sorts of information are you going to need?

Part 3: Start Project

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Budget

You need to stay within you chosen budget

- \$5,000
- \$10,000
- \$15,000
- \$20,000

Spending money: You need to work out how much you will need per day- this includes meals

Flights & Accommodation

Flight (purchase round-trip ticket):

Airline chosen	Travel time	Cost

Accommodations (hotel/resort/etc.)

Location	Accommodation	How many nights	Cost

Tours & Activities

Each day you need to have at least one activity. Record the activities and costs for each day.

Day	Location	Tour/ Activity	Cost

Timetabling: You also need a detailed timetable showing each day from am to pm- this includes; waking up, breakfast, tours etc.

Day 1- Example

Time	Activity
9 AM	Wake up & Breakfast
9:25 AM	Get ready
9:45 AM	Catch train
10:15 - 1:15 PM	Activity 1
1:30 PM	Lunch
2:45 PM	Catch train
3:30 PM	Evening markets

Transport

You need to document the transport and costs you intend to use throughout your travel. Document the rental company/travel company you will use.

- ◆ Car rental / bike rental
- ◆ Train
- ◆ Bus
- ◆ Scooter rental

Gas: If renting a rental car you will also need to find the cost of fuel and the miles traveled

Mapping

You need to include a detailed map/maps of the places you intend to travel to. You need to highlight these place on the map.

- ◆ Starting location
- ◆ Travel destinations
- ◆ Flight path
- ◆ Car rental travel
- ◆ Any other relevant information

Best Buys

You have contacted a travel company who has offered further discounts off your holiday if you book through them. Calculate the total discount for your trip depending on each choice. Work out your answers first then check using a calculator.

Option 1:

- ◆ 10% off all flights & accommodation

Option 2:

- ◆ 25% off all accommodation

Option 3

- ◆ 50% off all tours and activities

Find out the discounts for all the options then choose the one 'best buy'. Explain why that is the best option for your trip.

Total Costs

Prepare a table showing the total costs for your trip

Expense type	Cost
Flights and Accommodations	
Tours and Activities	
Transportation	
Total	\$