

## ACTIVITY 17

# Vacationing in Texas Grade 5

**TEKS 5.11 (A)** Underlying processes and mathematical tools. The student applies Grade 5 mathematics to solve problems connected to everyday experiences, investigations in other disciplines and activities in and outside of school. The student is expected to: **(B)** use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan and evaluating the solution for reasonableness.

**Objective:** Students will plan a vacation visiting at least four cities, towns, parks and other attractions in Texas.

- The group will have a budget of \$1,200 to spend for the entire trip. The students must document the prices of meals for each person, as well as admission charges to museums, parks or other attractions for each person. Use the travel guide or Internet to find this information.
- Students must calculate driving times between each location if traveling at an average speed of 70 miles per hour.
- One tank of gasoline will cost \$22.50 and the car will travel 345 miles on one tank of gas.
- Hotels/motels will cost \$85.00 per night for the group.
- Students will complete a travel and expense log.
- The group will write a story detailing the places visited.

**Number of students:** Students can work in groups of three or four.

**Materials:**

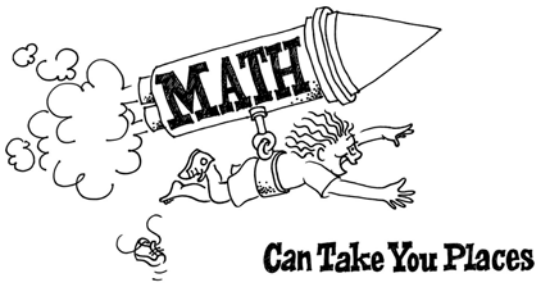
- Texas State Travel Guide
- Internet
- Maps of Texas
- Chart paper
- Markers or colored pencils
- Travel and expense logs
- Calculator

**Steps:** This interdisciplinary activity will take two to three days and involves mathematics, social studies and language arts.

Step 1: Students will have five days to travel, so they must plan a travel route taking into consideration the time it takes to travel between cities or parks.

Step 2: Students will include the number of hours they spent visiting each attraction. They must include three 1-hour meals each day and between 6 and 8 hours of sleep. Each student will complete the Travel Log which details the 24 hours of each day and an Expense Report detailing how their \$1,200 was spent.

Step 3: Students can choose to begin their trip in any city in Texas. Students must return to the city where the trip originated before the end of the fifth day.



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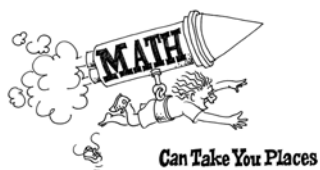
Step 4: Trace the map of Texas onto the chart paper and use markers and/or colored pencil to show the route traveled. The group will write a story about their vacation in Texas, discussing the places they visited. Students may want to include pictures of the places they visited. The Internet is one resource for pictures.

Step 5: The group will give an oral presentation about their vacation in Texas.

**Note:** The teacher has the option of choosing a city for each group to begin their journey.

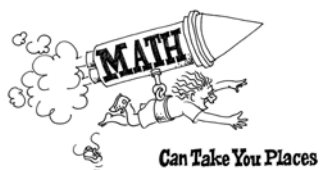
### Extensions/Modifications:

- The teacher could limit the number of days or offer them some of the figures up front to simplify the game (i.e., total cost of gas or food).
- For follow-up, students could use newspaper ads to create a food budget for a month for families of different sizes.



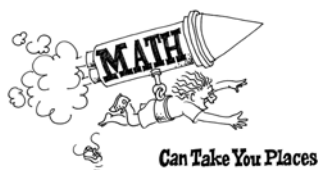
## Vacationing in Texas Grade 5 Travel and Expense Log

Time	Day 1		Day 2	
7:00 A. M.		\$1,200		
8:00 A. M.				
9:00 A. M.				
10:00 A. M.				
11:00 A. M.				
12:00 P. M.				
1:00 P. M.				
2:00 P. M.				
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12:00 A. M.				
1:00 A. M.				
2:00 A. M.				
3:00 A. M.				
4:00 A. M.				
5:00 A. M.				
6:00 A.M.				



## Vacationing in Texas Grade 5 Travel and Expense Log

Time	Day 3		Day 4	
7:00 A. M.		\$1,200		
8:00 A. M.				
9:00 A. M.				
10:00 A. M.				
11:00 A. M.				
12:00 P. M.				
1:00 P. M.				
2:00 P. M.				
3:00 P. M.				
4:00 P. M.				
5:00 P. M.				
6:00 P. M.				
7:00 P. M.				
8:00 P. M.				
9:00 P. M.				
10:00 P. M.				
11:00 P. M.				
12:00 A. M.				
1:00 A. M.				
2:00 A. M.				
3:00 A. M.				
4:00 A. M.				
5:00 A. M.				
6:00 A.M.				



## Vacationing in Texas Grade 5 Travel and Expense Log

Time	Day 5	
7:00 A. M.		\$1,200
8:00 A. M.		
9:00 A. M.		
10:00 A. M.		
11:00 A. M.		
12:00 P. M.		
1:00 P. M.		
2:00 P. M.		
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5:00 A. M.		
6:00 A.M.		