



**International Center
for Leadership
in Education**



Gold Seal Lesson:

Copernicus Education Gateway

Author(s): <i>Ann Cooley</i>			Lesson Title: <i>Let's Take A Trip</i>			
Grade Span			ICLE Application Model			
<i>K-4</i>	<i>5-8</i> X	<i>9-12</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i> X

Instructional Focus:

Number Operation and Concepts

Students use number, number sense, and number relationships in a problem-solving situation. Students communicate the reasoning used in solving these problems.

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Performance Task

Students should work in pairs to plan a trip to someplace in the United States. They will use road maps that can be obtained in quantity by any AAA member. Initial instructions should be given on how to use the road maps, including use of mileage charts, locating major routes, and use of string to figure out mileage not on the chart.

The task should follow these guidelines.

- Round trip from your school
- You must travel at least 500 miles one way.
- You can not travel more 300 miles a day.
- You will travel by car.
- You must stay at your destination for at least three days, with a 2 night minimum stay.

Assumptions

- Your car averages 20 miles per gallon of gas.
- Average cost of gasoline is \$1.60 per gallon.
- Motels will cost an average of \$60 a night for two people.
- Meals will cost an average of \$25 a day per person.

Determine each of the following and present your work in an organized manner.

- Total mileage of your round trip
- Total cost of gasoline and tolls
- Total cost of lodging per person
- Total cost of food per person
- Cost of entertainment (check AAA travel books or the internet)
- Major routes taken
- Total cost of trip

Show all necessary work to arrive at your answers.

ICLE Essential Skills

Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions. (m 1)

Scoring Guide:

Rate the students for each characteristic using the following:

- 3 – High quality performance
- 2 – Satisfactory performance
- 1 – Minimum quality performance
- 0 – Does not meet expectations

Characteristic	Score
Use of road map	
Math computations	
Attention to details of task	
Cooperation with partner	
Presentation of information	

Keywords

English Language Arts	Mathematics	Science
Reading	Algebra Computation Math in Daily Life	Earth Science
Writing	Geometry	Life Science
Communications	Statistics Data Collection	Chemistry
Literature	Calculus	Physics
Other	Trigonometry	Other
	Other	