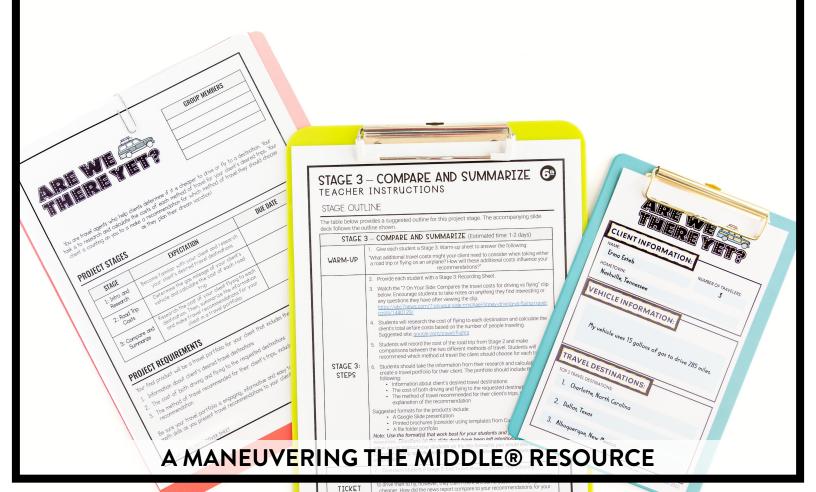


CCSS: 6.NS.2, 6.NS.3, 6.RP.3 | TEKS: 6.4B, 6.5A

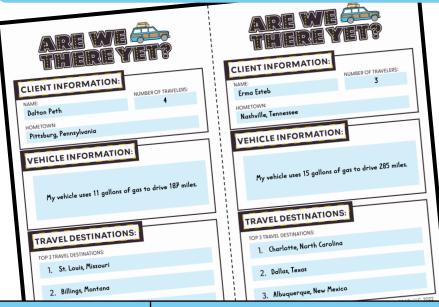
The problem: You are a travel agent who helps clients determine if it is cheaper to drive or fly to a destination.

The investigation: Student groups will research and calculate the costs of each method of travel for their client's desired trips.





TIME FRAME: 3-6 DAYS



how is this project organized?

materials needed:

computer

+ internet access

STAGE	DESCRIPTION	TIME FRAME	
1: Intro and Research	This stage will introduce students to the project scenario and allow students to become familiar with their client. Students will research information about the client's travel destinations.	1-2 days	
2: Road Trip Costs	Students will determine the miles per gallon rate of the client's vehicle and calculate the cost of each road trip.	1 day	
3: Compare and Summarize			



WHAT IS THE FINISHED PRODUCT?



	APOVE STANDARD	MET STANDARD	PELOW		
MATHEMATICAL CONTENT	Calculates the cost of road trips without erro	Are We There Yet?	ic	Name Date	
MATHEMATICAL THINKING	Provides appropriate for travel method recommendations	PROJECT RUBRIC			
	15 points Participates fully		ABOVE STANDARD	MET STANDARD	BELOW STANDARD
PARTICIPATION	15 points		Calculates the cost of	Calculates the cost of	Calculates the cost of
FOLLOWS TEACHER INSTRUCTIONS AND PROJECT CRITERIA	Follows directions and fully	MATHEMATICAL CONTENT	the client's road trips without errors	the client's road trips with few errors	the client's road trips with multiple errors
	Final product is well or and includes all require		40 points	30 points	20 points
FINAL PRODUCT	15 points	MATHEMATICAL THINKING	Provides appropriate reasoning for travel method recommendations	Provides some reasoning for travel method recommendations	Does not provide reasoning for travel method recommendations
		IHINKING	1 COOMMINION GRANDING		
		IHINKING	15 points	10 points	5 points
ARE WE THERE	OJECT RUPRIC	IHINKING		10 points Participates with minor redirects from	Participates with major redirects from
		PARTICIPATION	15 points	10 points Participates with	Participates with
6TH GRADE PRO	OJECT RUBRIC		15 points	10 points Participates with minor redirects from	Participates with major redirects from
6 TH GRADE PRO	OJECT RUBRIC APOVE STANDARD Calculates the cost of	PARTICIPATION	15 points Participates fully 15 points Follows directions and	10 points Participates with minor redirects from teacher 10 points Follows directions and	Participates with major redirects from teacher 5 points Follows directions an
6TH GRADE PRO	APOVE STANDARD Calculates the cost of road trips without error		15 points Participates fully 15 points	10 points Participates with minor redirects from teacher 10 points	Participates with major redirects from teacher 5 points
MATHEMATICAL CONTENT	APOVE STANDARY Calculates the cost of road trips without erro 40 points Provides appropriate for trovel method recommendations 15 points	PARTICIPATION FOLLOWS TEACHER INSTRUCTIONS AND	15 points Participates fully 15 points Follows directions and	10 points Participates with minor redirects from teacher 10 points Follows directions and criteria with few	Participates with major redirects from teacher 5 points Follows directions an criteria with multiple
MATHEMATICAL CONTENT	ADOVE STANDARD Calculates the cost of road trips without error 40 points Provides appropriate for trowell method recommendations 15 points Participates fully 15 points	PARTICIPATION FOLLOWS TEACHER INSTRUCTIONS AND PROJECT CRITERIA	15 points Participates fully 15 points Follows directions and criteria fully	10 points Participates with minor redirects from teacher 10 points Follows directions and criteria with few errors 10 points Final product is somewhat organized and includes most	Participates with major redirects from teacher 5 points Follows directions an criteria with multiple errors 5 points Final product lacks organization and is missing several
MATHEMATICAL THEINKING	APOVE STANDARD Calculates the cost of road frips without erri and right without error travel method rescommendations 15 points Participates fully 15 points Follows directions are fully	PARTICIPATION FOLLOWS TEACHER INSTRUCTIONS AND	15 points Participates fully 15 points Follows directions and criteria fully 15 points Final product is well organized and includes	10 points Participates with minor redirects from teacher 10 points Follows directions and criteria with few errors 10 points Final product is somewhat organized	Participates with major redirects from teacher 5 points Follows directions an criteria with multiple errors 5 points Final product lacks organization and is
6TH GRADE PRO MATHEMATICAL CONTENT MATHEMATICAL THINKING PARTICIPATION FOLLOWS TRACHER HISTRUCTIONS AND	SAGOVE STANDARD SAGOVE STANDARD Colsulation to cost or road trips without ern 40 points Provides appropriet for trovel method recommendations 15 points Participates fully 15 points Follows directions and	PARTICIPATION FOLLOWS TEACHER INSTRUCTIONS AND PROJECT CRITERIA	15 points Participates fully 15 points Follows directions and criteria fully 15 points Final product is well organized and includes all required details	10 points Participates with minor redirects from teacher 10 points Follows directions and criteria with few errors 10 points Final product is somewhat organized and includes most required details	Participates with major redirects from teacher 5 points Follows directions an oriteria with multiple errors 5 points Final product lacks organization and is missing several required details

rubrics are provided to streamline grading





PLANNING IS DONE FOR YOU

STAGE 1-INTRO AND RESEARCH TEACHER INSTRUCTIONS



STAGE OUTLINE

EXIT

TICKET

The table below provides a suggested outline for this project stage. The accompanying slide deck follows the outline shown.

STA	STAGE 1 - INTRO AND RESEARCH (Estimated time: 1-2 days)	
	Give each student a Stage 1: Warm-Up sheet to answer the following:	
WARM-UP	"When someone is planning a trip, what factors do you think are considered when choosing to drive or fly? Describe pros and cons for each method of travel."	
	Provide each group with the following project materials:	
	Project Cover Sheet (one per group) Client Info Sheet (one per group) Stage 1: Recording Sheet (one per student)	
	 Use the Project Cover Sheet to introduce the project scenario. Inform students that they are travel agents who help clients determine if it is cheape to drive or fly to a destination. 	
STAGE 1: STEPS	4. Give each group time to become familiar with their client's information. For each of the client's house described and information about on their trip.	

each of the three stages includes teacher lesson plans



PROJECT STAGES



STAGE	EXPECTATION	DUE DATE	
Intro and Research	Become familiar with your client and research your client's desired travel destinations		
Road Trip Costs	Determine the gas mileage of your client's vehicle and calculate the cost of each road trip		
Compare and Summarize	Research the cost of your client flying to each destination. Then, summarize the information and make travel recommendations for your client in a travel portfolio		



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and a slide deck to present the material

on their trip.

Students will dete client's hometown each road trip, str traveled round trip Suggested site: h Students will also road trip. (This wi stage of the proje 7. Give each studer

"For each trip, pre



EVERYTHING YOU NEED TO KEEP STUDENTS ON TRACK

which trip would you recommend to your	the information you have gathered on the dest client? Explain your reasoning.	warm-ups
STAGE 2: EXIT TICKET Nor Based on the cost of the road trips ar which trip would you recommend to yo	Four friends decide to take a road trip to	o visit their favorite amusement park. They determine that 5.20. How much will each person pay for gas if they
STAGE 2: EXIT TICKET Nor Based on the cost of the road trips ar which trip would you recommend to yo	ARE WE THERE YET?: STAGE 2 WARM-UP	TRAVEL AGENT: STAGE 2 RECORDING SHEET TRANSPORTATION COSTS TRAINING: NOTES
ARE WE THERE YET?: STAGE 2 EXIT TICKET	STAGE 2: WARM-UP Non Four friends decide to take a road trip the cost of gas for the trip will be \$12 divide the cost evenly?	CLIENT VEHICLE INFORMATION MILES PER GALLON
	ARE WE THERE YET?: STAGE 2 WARM-UP	TRIP #1: