

# The Places You'll Go

*Auto Exploration*

**CARS, CRAFTS  
AND COMMERCE**

**QUEST 01  
ALGEBRA I**

**STATE FAIR OF TEXAS  
CURRICULUM**

## STUDENT EDITION

### Recap

You will be going to the State Fair of Texas to find your dream car! Or at least learn about miles per gallon, and which type of car might best suit your future needs. When you're done, explore the rest of the Fair and go say hi to the Woofus!

### STATE FAIR MAP



Recall from your class discussions:

- ★ You should have learned the difference between the terms make/model of a car
- ★ What is miles per gallon, or MPG?
  - Why does the MPG change depending on whether you're driving in the city or on the highway?
  - When it's time to purchase a vehicle, consider where you may be living/driving. Will you want a large or small vehicle? Gas, electric, or hybrid? Do you care what the MPG will be? Will you want a new or used vehicle?



### Plan Your Route

- ★ Begin at the Esplanade. The buildings to your right and left contain automobiles.



### Optional Materials to Bring

- ★ Pen or Pencil
- ★ Sketchbook
- ★ Notebook or Paper
- ★ Smartphone or Tablet



### While You're There

You will use information you gather at the State Fair to help you with THREE project goals:

1. Use the info you gathered today to choose the best car for you and explain why you made this choice.
2. Design a triptych artwork based on the vehicles you viewed
3. Write an essay that compares and contrasts the best and worst vehicles for you

The objective of your visit is to collect gas mileage data from 3 different automobiles at the State Fair of Texas, so you can work on your projects back at school.

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★**THE PLACES YOU'LL GO:** Walk around the Esplanade area and pick 3 different types of autos you think you would like to own.

o Choose:

- ☐ 1 that gets bad gas mileage (less than 20 MPG)
- ☐ 1 that has moderate gas mileage (between 20 and 40 MPG)
- ☐ 1 that has great gas mileage (over 40 MPG)

o Record the gas mileage for each auto on your phone, a notebook, or use this table:

Make and model of car	Tank size	MPG (city)	MPG (highway)	Average MPG



## Back at School

When you return to class following your State Fair visit, you will work on your three projects. See your teachers for more information.