



The State Fair of
TEXAS
Curriculum

THE MIDWAY & GAMES

GRADE 7 STEM

RIDING OUT THE STORMS

DESIGNING THE ULTIMATE WEATHERPROOF RIDE



STUDENT EDITION

The Midway & Games

★ **GRADE: Seven** ★
★ **STEM** ★

Riding Out the Storms Designing the Ultimate Weatherproof Ride

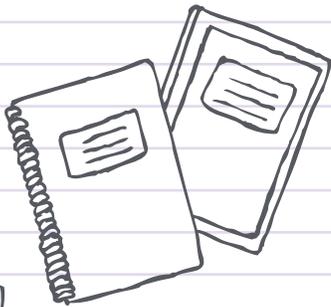
Recap

- ★ Recall the in-class discussion about floods, lightning, and wind.
- ★ Visit the following websites to review:
 - * [National Weather Service Storm Prediction Center](#)
 - * [Lightning Myths & Facts](#)
- ★ Do you remember which rides you predicted would be most affected by changes in our weather?



Plan Your Route.

- ★ Begin at the Texas Star and move on to other rides.

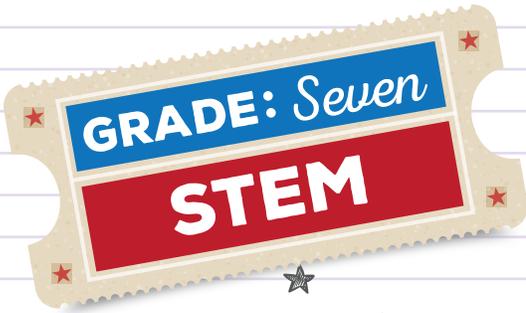


Optional Materials to Bring

- ★ Smart Phone or Tablet
- ★ Pencil & Notepad
- ★ Sketchbook for Arts Connection



STUDENT EDITION



Riding Out the Storms Designing the Ultimate Weatherproof Ride

While You're There

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

1. Make predictions about which rides will be most affected by the weather, and cause the greatest loss in ticket sales.
2. Design your own Ultimate Weatherproof Fair Ride!

You will work on your projects back at school. For now, the objective of your visit is to find **THREE RIDES** you think would be most affected by weather...and find one that you think **WON'T**.

FIND THE RIDE

- Walk around the Midway area and examine some rides.
- Write down or take pictures of at least three rides that you think would be affected by bad weather.
- Are there rides that would NOT be affected by bad weather?
- If so, what makes them immune to it?
- How did the designer take weather into consideration?
- Note the cost of the non-weatherproof rides and, for five minutes, keep track of the number of people that get on the rides each minute, using the table on the right.

How many people are getting on each ride?



Image taken from <http://bd-beamone.blogspot.com/2014/06/the-week-at-fair-august-3-8.html>

How many people are getting on the ride?

	Ride #1	Ride #2	Ride #3
Draw or Describe it!			
1 minute			
2 minutes			
3 minutes			
4 minutes			
5 minutes			

Back at School

When you return to class following your State Fair visit, you will work on your projects using the data you collected! See your teachers for more information.

