

# LIVESTOCK & AGRICULTURE GRADE 8 SOCIAL STUDIES

WHAT'S IT GONNA COST ME...TOMORROW?! THE REAL FACTS BEHIND WHAT WE EAT



# STUDENT EDITION

BTUs for feed production

and transport - enough to

power 7 iPads

Pounds of CO2 equivalent

Infographic provided by Business Insider

released

energy

1,036

GHG

13.4



340 FEWER

840

**XXX RICI** 

FOR OVER 1/

MEAI

42 HG

PREVALENCE O

DECREASED

SINCE 1990-92

FISH PROVIDES

-17%-

OF ANIMAL PROTEIN

1.73

OF PAPER

368

OF POTATOES

107

0.11%

63

50% OF PAPER

S RECYCLED

IN 3

60%

WORK I

69 (

OF ORANGES

2.5

OF CEREALS

80%

49.5%

ARFAS

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Infographic provided by Growing Voices



# **STUDENT EDITION**



# N <u>LIVESTOCK & AGRICULTURE</u> What's It Gonna Cost Me...Tomorrow ?! The Real Facts Behind What We Eat

### Plan Your Route.

- ★ From the Texas Star, follow MLK Blvd. around behind the Cotton Bowl Stadium.
- ★ Find Cattle Barn #2 and explore.
- ★ Next, go see the Livestock Shows and Cattle Barn #1, next door





# Optional Materials to

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

## While You're There

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

1. Farmer vs. Rancher: Imagine there is a massive drought in Texas. Based on your research at the State Fair, you will have to decide, back at school, which would be the most important to save: Farms or Ranches. Then you'll work on a project.

2. Mascot: Design a State Fair mascot based on the animals you observed, inspired by the Blue Dog artwork of George Rodrigue.

# **STUDENT EDITION**

GRADE: Eight



So...the goal of your visit is to discover the resources needed for the Livestock and Agriculture industries to thrive.

- ★ LIVESTOCK SHOWS AND BARNYARDS: Make observations
  - about what the cattle need. Ask the exhibitors:
  - \* How much do the cows need to eat?
  - \* How much water do they consume?
  - \* What happens when there's a drought?
  - \* What are environmental factors that cause a decrease in cattle production?
  - \* What happens when there isn't enough food for the cattle?
  - \* When there's a drought, do cattle prices change?

### Plan Your Route...your next stop will be the Food & Fiber Pavilion!

- ★ Go back down toward the Cotton Bowl and turn right on to Nimitz Drive.
- Continue walking until you see the Food & Fiber Pavilion on your right.

### ★ FOOD & FIBER PAVILION:

- \* Make observations about the environment.
- \* Ask questions about cost, resources needed and factors that limit resources.



# SCHOOL BUS

 $\checkmark$ 

### Back at School

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