

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.