

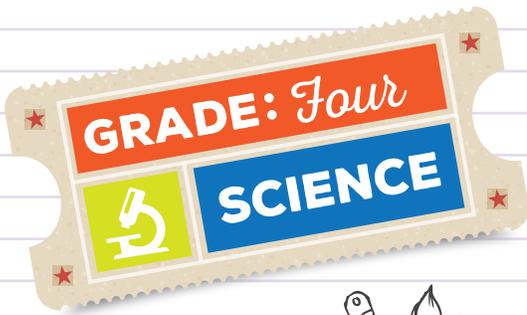


The State Fair of
TEXAS
Curriculum

LIVESTOCK & AGRICULTURE
GRADE 4 SCIENCE

GO WITH THE FLOW:
PRODUCERS & CONSUMERS AT THE FAIR





Go With the Flow Producers & Consumers at the Fair

Recap

- ★ Review food webs and predator/prey relationships at: <http://www.sheppardsoftware.com/content/animals/kidscorner/games/foodchaingame.htm>
- ★ Recall the three main types of consumers:
 - * Primary (mainly herbivores).
 - * Secondary (mainly carnivores, but also some omnivores).
 - * Tertiary (top of the food chain - capable of feeding on secondary and primary).



While You're There

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

1. Find producers and consumers at the fair.
2. Draw a food web, back at school.

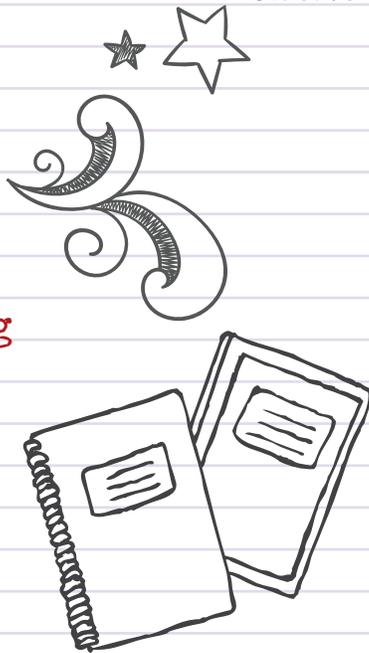
Observe the organisms in the greenhouse.

Plan Your Route.

- ★ From the Texas Star, make your way to the greenhouse.

Materials to Bring

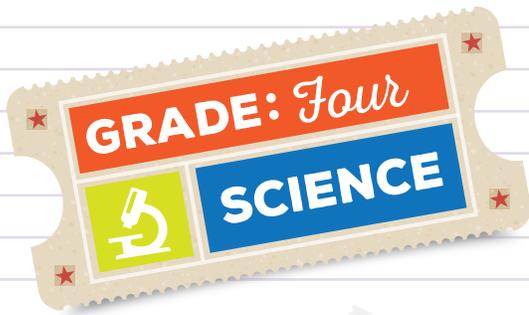
- ★ Pencil or Pen
- ★ Science notebook or paper for notes and drawings
- ★ Sketch book for Arts Connection



PLANTS

- What sources are these plants using for their energy?
- Create a sketch in your science notebook outlining the flow of energy of the organisms in the greenhouse.
- Based on your sketch, are these producers, consumers, or both? Why?





Arts Connection: Producer/Consumer Project

Plan Your Route.

★ Head up Martin Luther King Blvd. to the Livestock Barns.

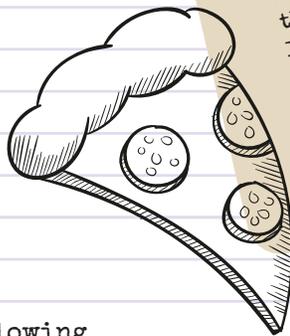
ANIMALS

- What sources are the animals using for energy?
- Create a sketch in your science notebook outlining the flow of energy of the organisms in the livestock barn.
- Based on your sketch, are these producers, consumers, or both? Why?



PRODUCTS

- What products do the organisms in the greenhouse and livestock barn produce that your family consumes regularly?
- Are some of your favorite foods produced by the organisms in the livestock barn and greenhouses (i.e., milk from the dairy cows for ice cream and cheese on pizza, swine for bacon in the morning or pepperoni on your pizza)?



After the Fair

When you return to class following your State Fair visit, you will use your sketches from the fair to draw a food web showing the flow of energy for the organisms at the fair. In art class, you'll turn it into an art project! See your teachers for more information.

ART

- For the Arts Connection, you'll be drawing producers and consumers, and making a giant food web with the class!
- Start thinking of items you'd like to draw from the fair, and sketch some now, or make a list.

