

# Hungry, Hungry, Hungry Teenagers!

*Systems of Inequalities*

## FOODIES

## QUEST 02 ALGEBRA II

## STATE FAIR OF TEXAS CURRICULUM

### STUDENT EDITION

#### Recap

You will be going to the State Fair of Texas to try as much food as you can, and then try really hard to remember information about your experience after your resulting food coma, so that you can Math all that info into a graph...and an art piece...and a poem about it!

Recall from your class discussion:

- ★ Can you graph a linear function?
- ★ Can you graph a linear inequality?
- ★ Can you write linear inequalities from word problems?
- ★ If not, seek help from the great Woofus near the Swine Barn at the State Fair. If he can't help you... well, at least you found the Woofus. And now you are extra cool.



#### Plan Your Route

- ★ Head to the Midway
- ★ Then find the Tower Building Food Court
- ★ Finally, go to the Skyway Porch, near Big Tex



#### Optional Materials to Bring

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



#### STATE FAIR MAP



#### While You're There

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

1. Come up with a system of inequalities for the foods you discovered.
2. Design an Exquisite Corpse art project with a team.
3. Write a descriptive poem of the food you ate, imagining you're writing it for someone who can't see, taste, or smell.

