

Serving Your Community

Creating a Function Rule Using Donations Data



QUEST 4
PRE-CAL

STATE FAIR OF TEXAS
CURRICULUM

STUDENT EDITION

Recap
You will be
going to the
State Fair
of Texas to
explore Big Tex
Urban Farms!

STATE FAIR MAP



Recall from your discussions in class:

- ★ You should have practiced creating regressions of functions (linear, quadratic, exponential, etc.)
- ★ You may have used technology to create the regressions (stat plot and regressions)
- ★ What's the definition of an inverse?
- ★ Did you practice doing inverses from tables, graphs, and functions?
- ★ If not, check with your teacher.



Tomatoes at Big Tex Urban Farms



Plan Your Route

- ★ Locate the Fun on the Farm area on the State Fair of Texas map
- ★ From there, find Big Tex Urban Farms
- ★ Later, investigate the Greenhouse



Optional Materials to Bring

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

While You're There

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

1. Use your Pre-Cal skills to make sense of donation data
2. Design an artwork that works with positive and negative space
3. Research one of the crops you discovered at Big Tex Urban Farms, in depth.

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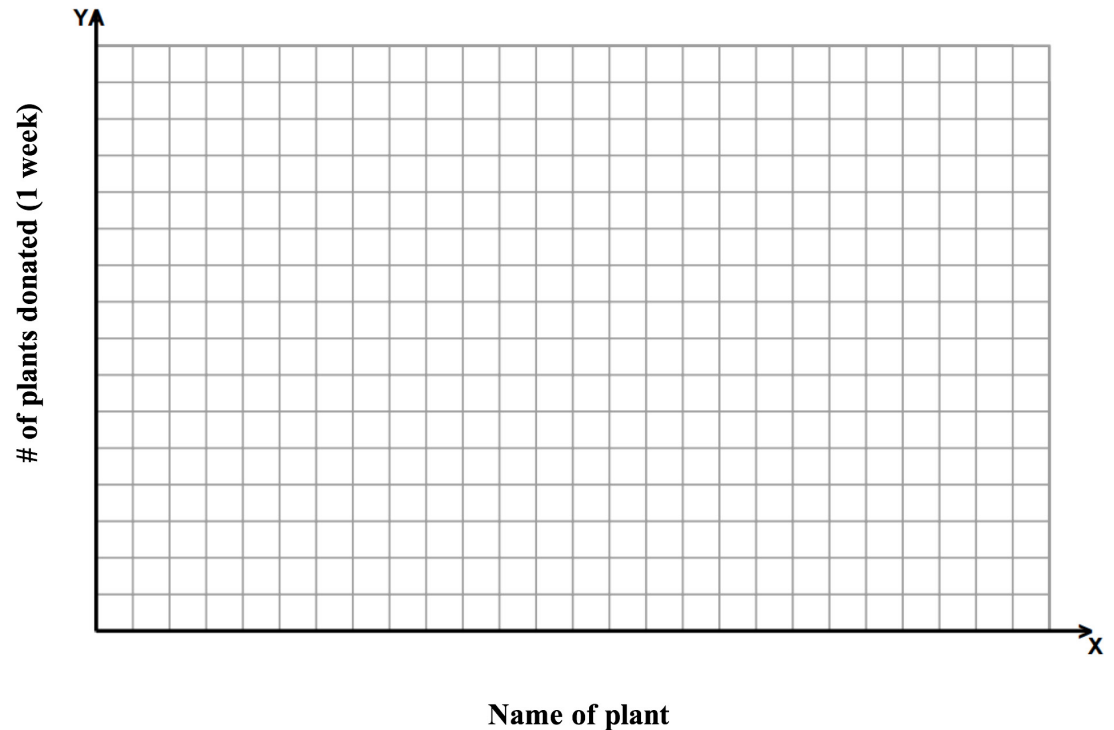
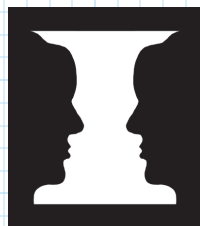
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The objective of your visit is to observe the produce grown and interview a greenhouse worker.

- ★**SERVING YOUR COMMUNITY:** Interview, collect data, and learn one way to serve your community.
 - o Observe the produce grown at Big Tex Urban Farms.
 - o Pick three particular plants to investigate
 - Interview a worker to find out how much is donated each week for each plant, and make sure to record this information! You'll use it back at school for your project.

- ★**POSITIVE/NEGATIVE SPACE (GREENHOUSE):** While at the Fair, go to the Greenhouse and view all of the amazing plants and flowers that are there.
 - o Take some time to sit and sketch, trying to focus only on the negative spaces around the plants.
 - o Also, take some photographs to refer to later for your project.
 - o You will also have an English activity that refers to your Greenhouse experience.
 - Interview a Greenhouse worker about his or her experience with farming both within and outside of the Fair, and take notes for later.



Back at School

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