

2 Show or Not 2 Show?

Show Animal Investigation



QUEST 1 ALGEBRA I

STATE FAIR OF TEXAS CURRICULUM

Students from all over the state of Texas bring animals they have raised to show at the State Fair of Texas. However, taking a show-worthy animal to the Fair requires a considerable amount of commitment, time...and money. In this Live @ the Fair Quest, you will consider raising your own animal to show.



During this Live @ the Fair Quest, you will:

- ★ Investigate the cost of raising a livestock animal of your choosing.
- ★ Show the results using equations and graphs.
- ★ Design a marketing campaign for your livestock animal.
- ★ Compose two sonnets about the animal, from different perspectives.



Standards

- ★ Math (Algebra I) TEKS: A3B, A3C, A4B
- ★ Art TEKS: Art I: 1A, 1D, 2D; Art II: 1D, 2B
- ★ ELAR TEKS: EL(14)(B)
- ★ Career Development TEKS: PS2B, PS2C

Before You Go - 15 min prep time, 30 min teaching time

You will be going to the State Fair of Texas to gather information about raising animals. Before you embark on this Quest, ensure that students are able to:

- ★ Write linear equations from real world situations.
- ★ Graph an equation.
- ★ Determine rate of change, slope and y-intercept.

The Woofus. Source: <https://billchance.files.wordpress.com/2013/02/woofus3.jpg?w=538&h=1008>



Invitation

- ★ You are invited to go to the State Fair of Texas to gather information about raising animals to show.



Plan Your Route

- ★ You will begin your quest at the Woofus (use your GPS to find him)

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STATE FAIR MAP



Optional Materials to Bring

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



While You're There

The objective of your visit is to investigate the cost of raising a show animal.

- ★ **2 SHOW OR NOT 2 SHOW?** Walk around the area near the Woofus, looking at the animals being shown.
 - o Choose an animal you would like to raise and show.
 - You may not see an animal you like at the Fair. If you don't, you can ask people that are showing or working about other possible animals to show.
 - You can ask people at the Fair or you can research online.
 - Find out how much the animal would cost to purchase.
 - Record this information.

- o Find out what else you will need to purchase for the animal by asking at the Fair or researching online.
 - Don't forget to record the cost of these items.



After the Fair - 50 min project

When you return to class following your State Fair visit, you will examine your data and make an informed decision about whether it's worth the time and expense to show the animal you selected!

- ★ Determine which expenses are one-time expenses and which ones are recurring.
 - o (Food will be a recurring expense.)
- ★ Add the onetime expenses together.
- ★ Add the recurring expenses together. (This will probably be a monthly cost.)
- ★ Write a linear equation that shows the cost of the animal depending on the number of months you have owned the animal.
- ★ Determine the rate of change for this situation.
- ★ Determine the slope for this situation.
- ★ Determine the y-intercept for this situation.
- ★ Draw a graph showing your findings.
- ★ What is the difference between rate of change and slope?
- ★ Explain the meaning of the slope and the y-intercept.

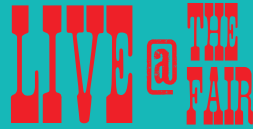


ART PORTION

Oftentimes, people become very attached to the animals that they choose to raise and show in the livestock show. Which animal did you choose to "raise" for your algebra experiment? No doubt you have become attached to him/her, right? Well, of course, and now, how can you make sure that his/her legend lives on after they are gone?

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Chester Cheetah. Source: <http://www.vetstreet.com/our-pet-experts/9-famous-animal-pitchmen>

Because your animal is fame worthy, you need to come up with a witty and catchy marketing drawing and idea for your new furry (or feathery) friend.

- ★ Animals are very often the stars of marketing campaigns (think Tony the Tiger or the Geiko gecko). Check out the link below to see some of the most iconic marketing animal stars.
 - <http://www.vetstreet.com/our-pet-experts/9-famous-animal-pitchmen>
 - As you look through them, think about what it is that makes them stand out. Is it their appearance, or something that they say?
- ★ Now, create a marketing campaign for your livestock animal.
 - What product will they sell?
 - How will you make it appealing to consumers?
 - How will you make your animal an icon for this product?
 - Keep in mind that slogans should be short and catchy, and the animals that accompany them can range from realistic to very cartoon-like.

- ★ When finished, present your animal ad to your peers.
 - If possible, have everyone display theirs at once and have the class go “shopping.”
 - What are the top 3 that were purchased?
 - Interview those that chose them and ask what it was about those animal campaigns that swayed their decisions.



ENGLISH COMPONENT

As you walk around the Fair, there are so many sights, sounds, and smells to take in! From the sight of the Woofus, to the smells of the corn dog stand, the Fair has so much to offer and experience. Human visitors are not the only patrons at the Fair; all of the show animals are also having their own experiences, and I want you to pick one show animal to focus on.

Write two sonnets about the show animal: one from your perspective and one from the perspective of the animal. The sonnets should:

1. Follow Iambic Pentameter
2. Have two stanzas:
 - a) The 1st stanza should have eight lines
 - b) The 2nd stanza should have six
3. Introduce a problem (1st stanza) and a solution (2nd stanza)
4. Follow a rhyme scheme such as abba
5. Use at least two literary devices (such as a metaphor or personification)