

If I go to the Fair... then I will have fun!

A Real World Look at "If, Then" Statements

CARS, CRAFTS
AND COMMERCE

QUEST 03
GEOMETRY

STATE FAIR OF TEXAS
CURRICULUM

STUDENT EDITION

Recap

You will be going to the State Fair of Texas to explore some buildings kids don't often visit, interview vendors using questions you designed in class, and then go ride some rides and eat some eats!

STATE FAIR MAP



Recall from your discussions in class:

- ★What is a conditional statement (an "if, then" statement)?
- ★Can you form a hypothesis and conclusion?
- ★What do the terms converse, inverse, and contrapositive mean?
- ★Your teacher should have instructed you to write 5 questions that you can ask vendors at the Fair that can be written as "if, then" statements.



Plan Your Route

- ★Begin at the Embarcadero Building.
- ★Choose a vendor to interview.
- ★Then, move to 4 other buildings or vendors of your choice.
- ★Later on, see if you can find the Woofus as you explore the rest of the Fair.



Optional Materials to Bring

- ★Pen or Pencil
- ★List of questions
- ★Notebook or Paper
- ★Smartphone or Tablet



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While You're There

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

1. Decide if the converse, inverse and contrapositive of each of your statements are true or false.
2. Design an art diptych that aligns with one of the "if, then" statements you settled on.
3. Compose five poems: one for each vendor experience.

So the objective of your visit today is to interview 5 vendors in 5 different buildings, so you can have answers to your questions and complete your projects back at school.



Diptych by Richard Vantielcke.

Source: <http://ih0.redbubble.net/image.7872597.3764/flat,1000x1000,075,f.jpg>

★ **IF I GO TO THE FAIR... THEN I WILL HAVE FUN:** Interview vendors at the Fair.

- o Begin at the Embarcadero Building
 - Select a vendor in this building.
 - Ask this vendor one of your questions.
 - Record the answer and the building name.
- o Move to a different building
 - Select a vendor in this building.
 - Ask this vendor a different question.
 - Record the answer and the building name.
- o Do this 3 more times, asking each vendor from a different building a different question.
- o You should end up asking the five questions you wrote in class.



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.