Wheeeeeeeets!!!

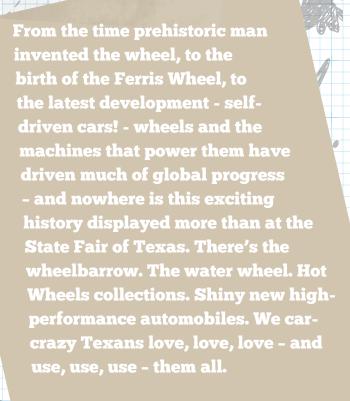
The History of the Wheel

GARS GRAPTS AND COMMUNICATION

QUEST 07 **WORLD HISTORY**

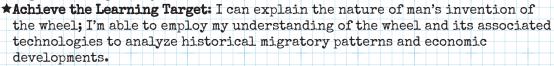
STATE FAIR OF TEXAS **CURRICULUM**





During this Cars, Crafts, & Commerce Quest, you will:

- ★Conduct a scavenger hunt to identify 10 types of wheels that owe their origins to multiple centuries.
- ★Create a timeline of wheel-driven transportation developments, examining the advantages and disadvantages of wheeled vehicles over the ages.
- **★Identify** elements of the global Industrial Revolution that owe their origins to the wheel.
- ★Answer the Essential Questions: What role has the wheel played in driving critical migratory patterns and economic developments? Has the wheel truly served as one of man's primary engines of ingenuity, and if so, how?



Standards

- ★World History TEKS: 113.42 (c) (1-4), (7-9), (16) (A-C), (17), 25), (27-31)
- *Arts TEKS: Art I: 1A, 1B, 1C, 2F, 3A; Art II: 1A, 2D, 2A, 3A
- ★ELAR TEKS: E1(14)(B)
- ★Career Development TEKS: 130.3 (c)(3-4, 6-9, 10)





Wheeeeeeeets!!!

The History of the Wheel

CARS, CRAFTS
AND COMMERCE

QUEST 07 WORLD HISTORY

STATE FAIR OF TEXAS CURRICULUM

STATE FAIR MAP



\odot

Invitation

*You're invited on a Quest to use the State
Fair of Texas as your lab for exploration,
observing and gathering research on the
never-ending use and display of wheels and
wheel-driven technology at the Fairgrounds.
Which wheels at the Fair perform largely the
same functions as the first Mesopotamian
wheels? Which perform functions those early
inventors could never have imagined? Use the
route, materials, and instructions below to
find out!

Before You Go (Timing: 1-2 x 45-min daily classes or 0.5-1 x 90-min block class)

- ★Hold a discussion about the history of the wheel, comprising the extraordinary nature of the wheel's invention to recent patents for spherical wheels.
- ★Use classroom computers or smartphones to find, share, read and discuss in small groups a recent news article that clearly illustrates the role the wheel plays in driving our current economy and another that takes a look at breaking technologies that appear set to forever change the way we think about the wheel and its importance in moving man forward.
- ★Work with your group to brainstorm a list of the types of wheels you're likely to encounter on Fair Day and then, employ your class notes to identify an approximate date or period of invention for each wheel type you've listed.
- *Referencing your class notes to date, your textbook, and your smart phone, identify one key development in global history tied to each of these inventions and their associated periods.



Plan Your Route

- ★Plan where you'll go before you arrive at the Fairgrounds. This is a scavenger hunt that asks you to collect as many examples of the wheel as you can so the following are just the start of places you may decide to explore as you gather your research:
- ★The D.A.R. House
- ★The Perot Museum Building
- ★The African-American Museum
- ★Fun on the Farm

- ★The State Fair Auto and Truck Zones
- ★The Old Mill Inn
- ★Chevrolet Ride & Drive
- ★...where else?

Wheeeeeeees!!!

CARS, CRAFTS
AND COMMERCE

QUEST 07
WORLD HISTORY

STATE FAIR OF TEXAS
CURRICULUM

The History of the Wheel



Optional Materials to Bring

- ★Your "Wild, Whacky and Wonderful Wheels in World History" chart
- ★Pen or Pencil
- ★Notebook or Paper
- **★Smart**phone or Tablet
- ★A printed map of the State Fair of Texas, available online or at any gate



While You're There

Complete the "Wild, Whacky Wonderful Wheels in World History" chart as you conduct your scavenger hunt, locating and recording examples of different types of wheels from various global time periods. You might find an example of a Model T Ford in one of the Fair's many museum exhibits (or some other cool example with wheels)! If you do, write down what you find, and follow the instructions on the chart. Complete it, and then bring it to your next class, ready to work with your group to analyze your findings.

Wild, Wacky, & Wonderful Wheels in World History

HISTORY OF THE WHEEL

- o Start by finding at least 10 different kinds of wheels. Here's the tricky part:
 - ☐ Their function needs be traced to at least 4 different major periods or developments in world history.
 - ☐ Also identify wheels that owe their origins or their inventors to at least 3 different continents.
- o Once you've completed the chart, gather other examples with associated global regions and historical time periods as you can during your time at the Fair.

Wheeeeeeeets!!!

CARS, CRAFTS
AND COMMERCE

QUEST 07
WORLD HISTORY

STATE FAIR OF TEXAS CURRICULUM

The History of the Wheel

| Wheel | Location In Fair | Purpose of Wheel | Estimated Time Period of Origin | Known/Anticipated Continent of Origin |
|-------|------------------|------------------|---------------------------------|--|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

Wheeeeeeeels!!!

AND COM

QUEST 07
WORLD HISTORY

STATE FAIR OF TEXAS CURRICULUM

The History of the Wheel



After the Fair (Timing: 2 x 45-min daily classes or 1-1.5 x 90-min block class)

After Fair Day, you'll work in your previously assigned small groups to:

- ★ Catalog your scavenger—hunt findings to create as comprehensive a list of wheels, world history, and representative global regions as possible
- ★Use your notes and the results of your initial periodization efforts to identify the major global historical period each belongs to.
- ★Identify one example for each of the wheel examples you found of an associated invention or economic development that helped shape world history.
- *Write a one-page analysis summarizing the wheel lecture, your scavenger hunt findings, your periodization-analysis efforts, and your group discussions:
 - o Prompt: "What role has the wheel played through history in driving critical technological, economic, and industrial developments? Use specific examples to support your assertions."





ART PORTION

Now that you have documented and experienced multiple designs and uses for the wonderful wheel, it's time to create some kinetic wheel art!

- *Before you get started, look at the art of Andrew Calder.
- o Calder was the original "inventor" of the hanging mobile.
- ☐ Although he is best known for his hanging mobiles, he created many different types of sculptures and several that included wheels, like this fun kangaroo piece!
- ☐ Be sure to click on the tab that says "Calder's Work" and scroll through his many examples. http://www.calder.org/
- ★In the mobile that you create, you will focus on the idea of the wheel, or circular form.
- o Draw inspiration from the ones that you document at the State Fair.
 - o You will need wire a thinner type that you can bend with your hands, or you will need pliers to manipulate a thicker kind.
 - o The material that you create your "wheels" from is up to you, but keep in mind that it needs to be light enough to allow your mobile to float in the air!

Wheeeeeeees!!

The History of the Wheel

CARS, CRAFTS
AND COMMERCE

QUEST 07
WORLD HISTORY

STATE FAIR OF TEXAS
CURRICULUM

60 → TIMAEUS AND CRITIAS

was roused at the instigation of reason making proclamation of any wrong assailing them from without or being perpetrated by the desires from within, quickly the whole power of feeling in the body, perceiving these commands and threats, might obey ough every turn and alley, and thus allow the principle the command in all of them. But as the lpitation of the heart, in the expectadanger of passion. formed implanted the lung as a sort of a in the place, soft and bloodless, and also had hollows like them, it might give the power and placed the lung the heart inst the yielding body, might be tht thus become more ready to accom

sires meats and drinks and such thin needs, they placed between the midr ing in all this region a sort of manger l and there they bound the desires down as chained up with man cist. In order that this and must be no always feeding the manger, and have his dwelling as far as po cil chamber, making as little noise and disturbance as possible ermitting the best part to advise quietly for the good whole, they appointed for him this place. And knowing this princi-

ple in man would not listen to reason, and even sattaining to some degree of perception would never naturally darguments, and was liable to be led away by phantoms a visions of the night and also by day, God, considering this, fra



ENGLISH PORTION

Write a found poem about the wheels that you encountered at the Fair.

- ★Found poetry is created by taking words and phrases from another source and then changing the format, spacing, and adding and deleting words to create your own poem.
- ★Follow the steps below to complete your found poem:
 - 1. Make a photocopy, or print off, a page from a book.
 Use a page from a fiction selection, as the diction and literary elements used lend themselves better to found poetry.
 - 2. Read the page and take notes of the words and phrases that stick out to you, and that can be used to describe the wheels that you encountered, how you felt about the wheels, your favorite wheel, etc.
 - 3. Mark up your page. Go through the page and mark out the words you do not need, but leave the words you need that will help you write your poem.
 - 4. When you are done marking out your words, go back through and connect the words that are left in a creative way.
- ★Click the link below for images of found poetry o https://goo.gl/Lc8PNy