

ADVANCED LEARNING LABS

A partnership between the North Carolina Department of Public Instruction and Duke TIP
TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES

6–7

Lab 5 • Responsibility



ENGLISH LANGUAGE ARTS

Most traditional hero archetypes put the responsibility for others before themselves. One place to find examples of the hero archetype is in art. Research a piece of art that depicts a hero. What elements of scenery, lighting, posture or expression does the artist use to hint at the heroic nature of the subject?

What do you feel is the one characteristic that truly defines a hero? Create an image that depicts a hero of your own creation. Use the artwork you researched as a mentor text for your piece. Be sure to include similar elements into your piece. Use the same elements to convey the heroism of your character. Write a paragraph that describes your hero and her/his unique qualities.



SOCIAL STUDIES

Visit the link below to learn more about the North Carolina Coastal Habitat Protection Plan.

Link: <http://portal.ncdenr.org/web/mf/habitat/CHPP>

The coast of North Carolina is very important, but as you read about the “Threats to the Habitat” you’ll learn about the human and natural causes of erosion to the coast.

Read through the goals of the Plan. Work with Goal 3 to explain how you can help your community take responsibility in completing the goal. Explain your ideas to your parents, friends, and/or neighbors.



SCIENCE

Beginning in November of 2019 Australia experienced devastating wildfires. The national average maximum temperature was the highest on record and rainfall was below average almost everywhere.

Predict what kinds of changes to weather patterns and the water cycle could lead to such hot and dry conditions. What can humans living in an area under the threat of wildfire do to mitigate their risk? Consider both personal and community actions.

For more information about how weather conditions impacted the Australian wildfires, read the link below: <https://wapo.st/2TnTCFb>



MINDFULNESS

Everyone is responsible for taking care of themselves. Caring for yourself can mean many different things, such as: eating good food, listening to favorite music, spending time with a loved one, exercising, or even sitting quietly with your thoughts. Taking time to care for yourself helps you manage your stress and refocus on positivity.

This week, take one action each day to practice self-care; make sure to have something to represent that time (ex: a relaxing picture, leaf from your walk outside, or song lyric).

When the week is done, create a scrapbook by taping each item onto paper with a caption describing what you did and how you feel about it.



LOGIC PUZZLE

Use number logic to reveal the hidden picture by turning numbers into an image.

Follow the link: <https://bit.ly/2AnCdWA>

For more information about nonograms, visit: https://puzzlygame.com/pages/how_to_play_nonograms/



FIELD STUDIES

The Federal Reserve system was created to help stabilize the monetary system; it has 3 key components including the Federal Open Market Committee, Board of Governors, and 12 Federal Reserve Banks across the country. This week you'll do virtual tours of three of the Federal Reserve Banks.

Visit the Federal Reserve Bank of Atlanta (<https://www.frbatlanta.org/about/tours/virtual>), the Federal Reserve Bank of Chicago (<https://www.chicagofed.org/education/money-museum/virtual-money-museum>), and the Federal Reserve Bank of Philadelphia (<https://www.philadelphiafed.org/education/money-in-motion/virtual-tour>).

What similarities did you notice between the three banks? How do the Federal Reserve Banks promote financial responsibility?

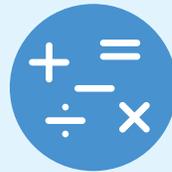


RESEARCH EXPLORATIONS

Ecologists are scientists who study the relationships between living organisms, including humans, and their habitats. Choose two animals that live in the wild, each on a different continent, to research.

- What are the animals' needs for water (related to habitat and drinking)?
- What are the potential water issues they face (e.g., drought, pollution, predators)?
- How do humans affect the water that they need?

Create a game in which the two animals are trying to get their water needs met, are faced with water issues, and have humans who help them by making responsible changes to the way they live.



MATH

Suppose you win a \$100 gift card for an art supply store and decide to make a masterpiece! To spend responsibly you make a budget using the costs of supplies you find online.

There are two coupons - 20% off a full-price item and 10% off your total purchase. Which do you decide to use? Why? Once you make your masterpiece, how will you appropriately price it to recoup your expenditures and make a profit?

View "Why is Art so Expensive" and justify your sell price mathematically. How would having more money change your shopping and pricing plan?

Link: <https://www.cnbc.com/video/2017/11/02/what-makes-art-so-expensive.html>



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Works Cited and Answers

Works Cited:

4-5: why is Art Expensive? <https://www.wonderopolis.org/wonder/why-is-art-expensive>

6-7: Why is Art so Expensive: <https://www.cnbc.com/video/2017/11/02/what-makes-art-so-expensive.html>

8-9: Supply and Demand: <https://youtu.be/7xSaL0xvrcA>;

The Paradox of Value: <https://youtu.be/e7S8jWh6AEs>;

Graphing Stories: <http://www.graphingstories.com/>

10-12: If I had a Million Dollars song: https://www.youtube.com/watch?v=B4L3ls_6UYg