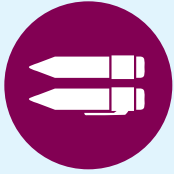


# ADVANCED LEARNING LABS

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

GRADES  
10-12

## Lab 5 • Responsibility



### ENGLISH LANGUAGE ARTS

Most traditional hero archetypes put responsibility for others before themselves. One place to find examples of the hero archetype is art. Research a piece of classic art depicting a mythical 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 characteristic that truly defines this hero?

Create an image that depicts a hero of your own creation. Use the same elements to convey the heroism of your character. Describe your hero and her/his qualities in a short paragraph.



### SOCIAL STUDIES

North Carolina played an important role in the Civil Rights Movement including the Greensboro Four and many desegregation court cases. Read the linked article and watch the video at the beginning of the article. Link: <https://www.charlotteobserver.com/news/local/article223223740.html>

What responsibility do you think the state government has to educate the citizens on the state's history in the Civil Rights Movement?

Create a detailed example of a speech, pamphlet, or public memorial to help the public remember the legacy of these events and engage in continued discussion of what our personal responsibility is in educating others about the history of the Civil Rights Movement.



### SCIENCE

As the world sees improvements in some climate change measures due to recent changes in human behavior, experts are thinking about long-term planning.

Read the excerpts of a recent briefing by a few Duke University energy scholars

Link: <https://bit.ly/3e4SdeC>

Choose 2 of their points and expand upon the science underpinning their conclusions in a way that lay people can understand. How can you employ your understanding of science to help others understand these complicated issues? Use a platform of your choice to educate someone or a group regarding these issues.



### MINDFULNESS

You are responsible for being in control of your emotional well-being.

Write down a list of things that are completely out of your control, things that are inconvenient, and/or things that challenge you. Don't prevent your mind from letting all of those things or feelings come out.

Once you have a good list, then think about ways you can turn those negatives into positives, ways that the situation can become productive for other things, ways that you will grow during the challenge. Try to apply these positive changes daily in order to maintain a positive emotional well-being.



## LOGIC PUZZLE

Use number logic and simple rules to reveal the hidden picture in this griddler.

Follow this link: <https://bit.ly/2Z8Bbs7>

For more information about nonograms, visit: [https://puzzlygame.com/pages/how\\_to\\_play\\_nonograms/](https://puzzlygame.com/pages/how_to_play_nonograms/)



## FIELD STUDIES

The National Geographic video linked below explores a push to live off the land in Hawaii in modern day. It shows how some Hawaiians have taken responsibility for sourcing their own food locally instead of relying on imports for food.

- What ways do you think the Hawaiian government can support citizens to have more sustainable food choices?
- How does globalization affect Hawaii and other island nations' abilities to provide for themselves?
- What responsibility do you think everyday citizens have in mitigating the effects of globalization?

Link: <https://youtu.be/jXEepvG6Hc>



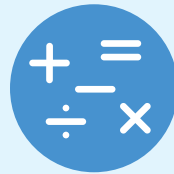
## RESEARCH EXPLORATIONS

Ecologists are scientists who study the relationships between living organisms, including humans, and their habitats.

Choose two animals that live in the wild, each in different North Carolina habitats.

- 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?

Research current NC laws that are related to water and write a persuasive letter to your representatives about 3-5 changes or additional laws that would help responsibly protect the water of these two specific animals.



## MATH

Analyze the lyrics song, "If I had a Million Dollars." How realistic are the items they buy? Are they spending responsibly? The last line says, "If I had a million dollars, I'd be rich." Do you agree? Create your own song explaining what you'd buy with a million dollars.

Since winning a million dollars is unlikely, research the salary for a profession you're interested in and create a budget for yourself. What are your costs? How does your professional budget compare to your million-dollar expenditures? Would you still buy the things in your song?

Link: If I had a Million Dollars song: [https://www.youtube.com/watch?v=B4L3ls\\_6UYg](https://www.youtube.com/watch?v=B4L3ls_6UYg)



North Carolina Department of  
PUBLIC INSTRUCTION



# ADVANCED LEARNING LABS

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

---

GRADES  
**K-12**

## Lab 5 • Responsibility

### 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](https://www.youtube.com/watch?v=B4L3ls_6UYg)