

# ADVANCED LEARNING LABS

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

GRADES

8–9

## Lab 4 • Community



### ENGLISH LANGUAGE ARTS

Spoken word style of presentation is often used to creatively share feelings, thoughts, and ideas with communities. Use the rubric as you analyze the spoken word presentations below. Analyze the ways that poets use eye contact, volume, space, posture, and tone to add meaning and to engage the community. Identify two characteristics that you could incorporate into your next presentation and write a summary paragraph explaining how you will do that.

Rubric: <https://bit.ly/2WfCx27>

Poem 1: <https://bit.ly/2WlpzJe>

Poem 2: <https://ed.ted.com/on/bP9XQUEz#watch>

Poem 3: <https://youtu.be/LGAMd-tT6fQ>

Poem 4: <https://youtu.be/ltun92DfnPY>



### SOCIAL STUDIES

Thomas Jefferson wrote the Declaration of Independence in 1776. British colonists had been growing restless and fighting had already begun. Read through the Declaration of Independence.

**Link:** <https://www.archives.gov/founding-docs/declaration-transcript>

Create an annotated timeline of the events that happened that contributed to Jefferson's writing of the Declaration of Independence.

Think about the community's response during each event. How are the responses the same as if this were happening in the present? How would things be different?



### SCIENCE

Your community is not under a hornet attack! This article describes the arrival of Asian giant hornets in the Pacific Northwest and attempts to stop the invasion of the hornets.

**Link:** <https://www.smithsonianmag.com/smart-news/invasion-murder-hornets-180974809/>

Identify the possible impact on the ecosystem as this new species is introduced. Predict whether the attempts in the state of Washington will be successful, providing the reasoning that led you to your predictions.

Summarize what you learned about the hornets and your predictions in Twitter-length post of 140 characters or less.



### MINDFULNESS

Students in your community have been out of school for several weeks, and it will soon be summer. That leaves a lot of time to think and be alone with your thoughts. This can be especially challenging for younger students.

Create a 5-minute guided meditation for elementary-aged students. Your guided meditation should give students specific steps to take to help them relax and be present in their moment without any stress. Review ways for children to meditate at the link below for more information.

**Link:** <https://well.blogs.nytimes.com/2016/05/10/three-ways-for-children-to-try-meditation-at-home/>



## LOGIC PUZZLE

Try to slice through this Samarai Sudoku without carving up your sanity!

This Sudoku puzzle will have you seeing quintuple!

Follow the link: <https://bit.ly/2SKAf9b>

To learn more about Sudoku, visit <https://www.learn-sudoku.com/what-is-sudoku.html>



## FIELD STUDIES

Why is she smiling?

The Mona Lisa is praised as the most famous painting in the world—and it is also one of the most visited. Learn how classical art and cutting-edge virtual reality are giving spectators a new way to look at Mona Lisa at the Louvre.

Watch the video then research how other museums are fostering a larger art “community” through the use of innovative technology to create deeper connections between artwork and art patrons at museums. What are the benefits and disadvantages of virtual reality tours of museums?

Link: <https://www.louvre.fr/en/leonardo-da-vinci-0/realite-virtuelle#tabs>

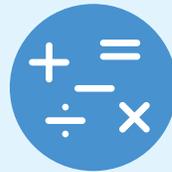


## RESEARCH EXPLORATIONS

Sociologists research how people within communities behave and interact.

Research how outdoor games have differed over time for elementary children. Interview an elementary child, an adult 15-25 years older than you, an adult 30-40 years older than you, and an adult 50-60 years older than you about the outdoor games they played as children.

Compare and contrast the games played by decade they were in elementary school. Then write a comparison of the games played by decade, including concrete details, quotations, examples, and graphics. What generalizations can you make about each generation? Do you think other people in their generation shared similar experiences? Why or why not?



## MATH

Think of a problem in your community. Brainstorm solutions and create a practical solution modeling the plan using diagrams, charts, graphs, equations, etc.

How will you calculate the feasibility of your plan? Is there a cost? How many people will you help?

Present your plan and ask for a critique from someone. Modify your plan to incorporate relevant feedback.

Reflect on the long-term impact of your plan. How can you operationalize your plan? *(If you know someone else who is doing this assignment and ask for a critique from them and then offer a critique of their plan.)*



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**K-12**

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### Works Cited and Answers

#### **Works Cited:**

**K-5: Four Color Theorem Resources-**

<https://www.crayola.com/lesson-plans/maps-and-math-lesson-plan/>

<https://www.mathsisfun.com/activity/coloring.html>

<https://medium.com/@MatthewOldridge/four-colour-theorem-187b32e03ce7>

**10-12:** <http://weusemath.org/>