

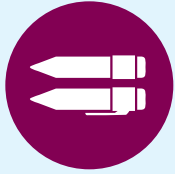
ADVANCED LEARNING LABS

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

GRADES

6–7

Lab 4 • Community



ENGLISH LANGUAGE ARTS

Sometimes, communities tell scary stories or myths to children to make them behave. For example, Elf on a Shelf was created to remind children to behave during the Christmas season. Summarize and analyze an existing myth as your research, then design your concept and create a proposal. Begin by summarizing a story or myth that is told to get children to behave. Analyze the details of the story or myth that make it most effective in encouraging good behavior? Determine what the advantages and disadvantages of using popular myths as a way to get children to follow rules?

Design a concept for a new myth or story that you think would be effective for families and communities to use and create a multimedia promotion for your new myth or story.



SOCIAL STUDIES

To help urge the ratification of the Constitution Alexander Hamilton, John Jay, and James Madison wrote anonymous letters, the Federalist Papers, under the pseudonym “Publius.”

Review the Constitution using the link provided and choose an article that you think is most important. **Link:** <https://museum.archives.gov/events/72229>

Write a letter to the public to explain why they should support the ideas of the constitution and why it is beneficial for the community. On May 21st, the National Archives will be doing a live presentation with more details about the balance of power.



SCIENCE

This Spring leaves appeared earlier than normal in North Carolina communities (and most of the South) as demonstrated by this graphic: <https://www.coastalreview.org/2020/02/spring-leaves-appearing-earlier-than-normal/>.

Identify the changes in abiotic factors that would be necessary to give rise to such early leaf growth. Predict how these factors would affect other organisms in the ecosystems.

How would your predictions vary across different ecosystems? Explain your predictions to a friend or family member.



MINDFULNESS

Communities are rallying around students and helping them prioritize their mindfulness with easy relaxation practices that can be done anywhere.

One practice is finger-counting breaths. Create a personal mantra—a saying that is meaningful to you—that makes you think of something peaceful or relaxing. Practice balling your fists. In a quiet place, inhale deeply. As you exhale, say your mantra and unfurl a finger.

Do this until you have both palms open. Repeat and relax!



LOGIC PUZZLE

Complete the Sudoku and then try a Kaodoku!

A Kaodoku is a variation of Sudoku with symbols that are only partially given.

Instead of numbers, the cells have smiley faces. There are 3 types of shapes and mouths for each smiley. Each of the 9 possible smiley combinations may only appear once in each column, row, and section.



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

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



FIELD STUDIES

Imagine the hospitality and tourism board for your state has tasked you with creating a list of attractions for your community. This list will be used to create advertisements and increase tourism for your community. This could mean better jobs and a stronger local economy.

Research popular places in your community to create a list of attractions for families. Include a park, venue for family entertainment, unique restaurants, shopping locations, and other locations that make your community truly special.



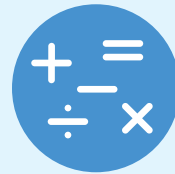
RESEARCH EXPLORATIONS

Sociologists research how people within communities behave and interact.

Your task is to research how games have differed over time. Interview an adult 15-40 years older than you and an adult at least 41 years older than you about the games they played as children. Compare and contrast the games played by the older adult, the younger adult, and you.

Write a comparison of the games played over time between the three time periods, including concrete details, quotations, 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

Your everyday normal may have changed a lot recently, but you still have a community of people around you. Write a story that reflects details of your everyday life. Be intentional about your story writing because after the story is written, your next task is to use variables to create a series of related math problems.

Share both your story and math problems with someone and see if they can arrange the math problems to match your story.

(It's tempting to write your math problems first, but challenge yourself by writing an engaging story first!)



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PUBLIC INSTRUCTION



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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/>