

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 1 • Change



ELA

Select a grade-level complex literary text to read. As you read, trace the development of the theme (*how it is introduced and illustrated through details*).

Determine an alternate ending to the story. Think about how an alternate ending would require an alternate theme for the entire story. Determine that alternate theme.

Create a plot diagram or storyboard to model a revised series of events that develop your new theme and final outcome.



SOCIAL STUDIES

Irrigation was an important innovation in Mesopotamia allowing for society to stay settled in one place.

What do you think has been the most important innovation for modern society in the last two hundred years?

Create a timeline on paper or using the link below to explain the development of at least five new innovations that will be important for our society between the years 2020-2040.

Link: <https://time.graphics/>



SCIENCE

At present, some large cities/areas that usually have polluted air, are experiencing smog-free skies.

Explain why this change is happening right now.

Predict the impact on human health in the short term and long term.

How could we responsibly return to normal activities in the environment and continue to reduce environmental damage?



MINDFULNESS

Start a journal: It may be created out of printer paper and a stapler, an old notebook in the back of the closet, or on your phone/computer. Decorate it to make it unique to you.

Create a different theme to journal about each day of the week. Journal topics for the week could include journaling about what makes you happy, your favorite song quote, or your greatest dream. At the end of the week, read your entries and see what changes took place during the week. Have fun creating new topics!



LOGIC PUZZLE

Word Garden:

This isn't your typical word search!

Use deductive reasoning to uncover hidden phrases that will lead you to a mystery theme.

Link: <https://tinyurl.com/yb8eraqt>



FIELD STUDIES

We have a consensus!

Watch the video, "Mission: Census, Virtual Field Trip to the Census Bureau" to learn more about something that only happens once every 10 years.

How does the census directly impact the community you live in and your school community?

What do you predict will be the effects of this year's census results 10 years from now?

Link: <https://youtu.be/1iMpVlvF4ao>



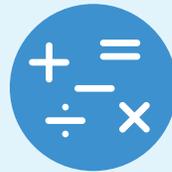
RESEARCH EXPLORATIONS

Go for a 30-minute walk in your neighborhood, practicing good social distancing. Every 3 minutes, record how many parked cars you see.

Calculate the mean, median, and range for parked cars. What conclusions can you draw about your neighborhood based on your sample?

How do you think the data would have differed (a) if you walked 4 hours earlier or later (b) at the same time of day before the pandemic?

Talk about those changes with a friend.



MATH

Searching for Shapes

How many triangles, rectangles, circles, pyramids, prisms, cubes, cones, cylinders, and spheres can you find in your house?

Gather 5–10 of your choosing to create at least three unique geometric designs.

Which design is the biggest? How do you know?

Use principles of measurement, area, surface area, and volume to make your argument.



North Carolina Department of
PUBLIC INSTRUCTION

