

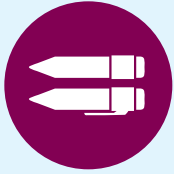
ADVANCED LEARNING LABS

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

GRADES

K-1

Lab 3 • Innovation



ENGLISH LANGUAGE ARTS

"A picture is worth a thousand words."

Choose a personal photograph (one from your family) or find a picture online with at least 2 people in the photograph. Identify the key details - setting, relationship and situation by speaking clearly and using complete sentences.

Write a letter from one person in the photo to the other.



SOCIAL STUDIES

Maps help us locate the places we live, work and play.

Let's be innovative!

Draw a detailed map of where you live, including all the things that are important to you. You might want to draw your bedroom, including bed, shelves, toys, doors and windows. Or, map your entire home, including all of the furniture and appliances.

You can also map the route from home to your school, labeling streets, buildings, and all of the important points.



SCIENCE

Over several days draw what the moon looks like. Observe the changes and differences.

Based on your drawings, make a prediction on when the moon will be full. Explain your prediction.

If someone lived in another place (maybe somewhere like Australia) what would their drawings look like? How would they be similar or different from your drawings? Explain why.



MINDFULNESS

On a sheet of paper, draw a large cloud. Then, draw another cloud inside of the first cloud.

Think of something that recently frustrated you or caused you to worry. Write a few words or sentences about that inside of the smaller cloud.

Then, see if you can think of three things that can help you to see the bright side of the situation. Ask a loved one for help if you are having trouble. Write these ideas in the space between the two clouds – it becomes the silver lining!



LOGIC PUZZLE

I am a 3-digit number.

My hundredths digit is odd, but I am an even number.

I am more than 6 hundreds.

My tens digit is one less than my hundreds digit.

Who am I?

387	765	572	986
874	628	729	1320

Answers: <https://bit.ly/2yemUPn>



FIELD STUDIES

How can recycling help our environment? Tour the Materials Recovery Facility (MRF).

Link: <https://youtu.be/zgLW9CSvpRw>

After you watch, complete the sentences below using the information from the video.

- I already knew...
- I now know...
- I want to know more about...

Share your responses with a friend or family member.



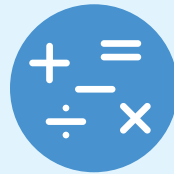
RESEARCH EXPLORATIONS

Architects design innovative buildings using many different shapes. A tangram is a puzzle made of seven flat shapes which are put together to form other shapes.

If you want to design a rectangular building, how many different designs can you create using two sets of Tangram pieces? Use the link below to create them.

Link: <https://www.abcteach.com/free/t/tangram-howto.pdf>

What about a building that is trapezoid-shaped? Be sure to draw each design so that you have a record to count how many you can do. See if a friend or family member can create other designs you didn't.



MATH

North Carolina farms grow many delicious fruits and vegetables.

- Ask 5 people which fruit - strawberries, cantaloupe, or watermelon - is their favorite.
- Ask 5 people which vegetable - cucumbers, sweet potatoes, or squash - is their favorite.

Draw a picture graph or use tallies to show the answers. Which fruit and vegetable is the most and least popular? Write a number sentence about each fruit or vegetable using what you learned.

What kind of innovative, new fruit or vegetable could you grow from the favorites - a melonberry? A cuquash? Draw them and describe how they taste.



North Carolina Department of
PUBLIC INSTRUCTION

