

# 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 1 • Change



### ELA

What is the best thing to eat for breakfast?

Create a commercial describing why you like this food and why it is the best. Develop a funny phrase to convince people to eat this breakfast food.

Act your commercial with a friend or family member!



### SOCIAL STUDIES

A **need** is something we must have in order to live. A **want** is something we would like to have, but we could live without.

Throughout the day, write down all the needs you have met and all of the wants you ask for.

Create a chart to compare your needs and wants. Explain the differences you notice.



### SCIENCE

If you push a ball away from you, it travels in the direction you pushed it.

What would happen if the ball hit another ball as it rolled away from you?

Design a way to test this question.

How would your results be different if you used a heavier or lighter ball?

Perform another test and see what changes.



### MINDFULNESS

What do you do to relax when you cannot leave the house? This is a big change for many people.

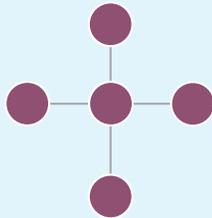
Create bookmarks or cards you can share with your friends and family describing 5 ways you can relax inside your own house.

Use illustrations that include pictures or symbols to show how people can relax during this change.



## LOGIC PUZZLE

Copy the image on a sheet of paper and write the numbers 1 to 5 in the circles so that each line has the same total. Try to do it as many ways as you can.



Note changes you make each time you complete this puzzle.



## FIELD STUDIES

Read about the amphibians, arthropods, birds, and fish at the San Diego Zoo.

As you read, think about the **NEWS**: what you **notice**, **enjoy**, **wonder** and is **surprising** about these animals.

Select one animal and create a new name for the animal using your **NEWS** observations as criteria for the name change.

Link: <https://kids.sandiegozoo.org/>

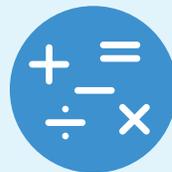


## RESEARCH EXPLORATIONS

Moving different ways can speed us up or slow us down.

Hop on two feet for 30 seconds and count how many times you hop. Hop on your left foot for 30 seconds and count how many times you hop. Hop on your right foot for 30 seconds and count how many times you hop.

Draw a picture of which way you hopped the greatest number of times. Why do you think that way sped you up?



## MATH

There are 30 students on the playground. Some students go back to the classroom, but there are 7 students still on the playground.

How many students went back to the classroom?

What are some different ways you can model this problem using objects? How can you model it with only numbers?

Solve the problem using each of your models and explain how you found the answer to a friend or family member.



North Carolina Department of  
**PUBLIC INSTRUCTION**

