

ADVANCED LEARNING LABS

Collaboration between NC Department of Public Instruction and AIG Teachers across the state

TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES

K-1

Growth



ENGLISH LANGUAGE ARTS

As people grow, they change. Sometimes big events bring changes to our lives and these changes lead to growth.

Choose one big event and write a story about how it changed your life. Events might include: getting a new sibling, moving, starting a new school, getting a new pet, the impact of the coronavirus, or anything else you think changed your life. Be sure to explain how the change happened, include details about the big event, and use transition words like "then" or "next." In your conclusion, explain how the event changed your life.

Save your writing and return to it at a later time as a reminder of how you have changed and grown.



SOCIAL STUDIES

You are growing every day!

A timeline shows what happens over time. Make a timeline of your life. Draw a straight line. On the left end, mark the beginning with the year and day you were born. On the right end, write today's date. Fill in the middle with at least 5 events from your life that caused you to change or grow. Decorate and illustrate your timeline. Give it a title.

- When you look at your timeline, what big statement can you make about how you have grown?
- How has your growth affected other people in your life?



SCIENCE

To grow and survive, animals need air, water, food, and shelter; plants need air, water, nutrients, and light.

Make a list of plants and a list of animals. You can even add pictures you find in magazines or go on a scavenger hunt to find living things in nature to add to your list.

- Group these plants and animals into categories and name the categories.
- Can you think of a different way to group the plants and animals on your list?
- What big statement can you make about living things?

Think about what these plants and animals need to grow. How are plant and animal needs similar and different?



MINDFULNESS

How does a tree change as it grows?

Stand tall like a tree. Pretend that your feet are rooted into the ground to hold you in place. Your legs are the trunk and your arms are the branches.

First imagine you are just a sapling (baby tree), and a gust of wind comes along. How would you move? Now imagine you are an old tree and a gust of wind comes. How would you move?

- What did you notice in your body as you pretended?
- Did the baby tree move differently than the old tree?
- How do you move differently as you grow?



LOGIC PUZZLE

Five students were eating apples to help them grow to become strong! Who finished eating their apple first?

- Ali finished before Ben, but behind Carlos.
- Dan finished before Emani, but behind Ben.
- What was the finishing order?

Can you use positional terms to help you like "in front of," "first," "last," and "behind?"

Who finished first, second, third, and fourth, and fifth?



FIELD STUDIES

We need food to grow! Apples are a fruit that we eat as part of a healthy diet. Let's take a trip to an apple orchard: <https://www.farmfood360.ca/en/apple-orchard/360-video/>

During your time at the apple orchard, be sure to watch the video "Apples and Mother Nature." Consider these questions as you go on your journey.

- What threats are there to an apple's growth?
- Can you think of other threats the farmer doesn't mention?
- What do you think an apple needs to grow?
- How is what an apple needs to grow *like* what you need to grow?
- How is what an apple needs to grow *different* from what you need to grow?



RESEARCH EXPLORATIONS

Living things grow most places on Earth. Specific habitats have different plants and animals. Use this link to learn about living things in different habitats: <https://kids.nationalgeographic.com/explore/nature/habitats/>

Pick two habitats. List animals and plants that grow in each place. Pick an animal or plant that grows in one of your habitats but not in the other.

- Why does this living thing struggle to grow in one location, but thrive in another?
- Which habitat would you like to visit? Why?
- Which habitat would be best suited for your own survival and growth?

Challenge: Draw yourself in one of the habitats. Include things you would need to grow and thrive.



MATH

Think about how the class's pet snake is growing!

1. It was 14 inches long. It grew 3 more inches. How long is it now?
2. It was 14 inches long. It grew a few more inches. Now it is 17 inches long. How many inches did it grow?
3. It grew 3 more inches. Now it is 17 inches long. How long was it to start?

Extension:

- How many inches taller are you than the pet snake at its longest point?
- Try writing your own problem about an animal growing.



North Carolina Department of
PUBLIC INSTRUCTION



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K-12

Growth Reference Guide

K-1 Logic Puzzle:

Solution:

In order, first through fifth:

Carlos

Ali

Ben

Dan

Emani

10-12 Logic Puzzle:

Online jigsaw puzzles

<https://www.jigsawplanet.com/smithsoniannpg/the-portraits>

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NC Standards Alignment

Grade Span	English/ Language Arts	Social Studies	Science	Math
K-1	W.1.3 K.H.1.3	K.H.1.1	1.L.2	NC.1.OA.1 NC.1.OA.4
10-12	RL.11-12.9	AH1.H.1	Phy.1.1.3	PC.F.1.3