

# Grade 4 ELA

## Reading, Listening, and Reading Online

Students in Grade 4 should be reading for 20 minutes or more each day. They can read or be read to by family or any of these great resources online.

May we recommend a few favorites:



[Storyline Online](#): Streams videos featuring celebrated actors reading aloud favorite picture books.

[Read, Wonder, and Learn](#): Favorite Authors and Illustrators share resources for learning anywhere.

[Authors Everywhere!](#): Write, Draw, Create, Community of read alouds, art projects, learning from celebrated authors and illustrators.

[Kid Lit TV](#): Favorite Books Read Aloud

[Storytime Read Alouds](#): Favorite Books Read Aloud

[Unite for Literacy](#): Free digital access to picture books in many languages

[Storytime from Space](#): Astronauts reading aloud from space.

[Overdrive](#): Access free ebooks, audiobooks, and more using your library card.

## Talking about Books

Talk about your books with your family. You can retell what you read. Use these stems to help you...

*"This reminds me of..."*

*"I wonder..."*

*"The theme was..."*

*"One thing I learned is..."*













*"The character was..."*

*"This makes me realize..."*

Play reading bingo. Will you win?



Mark each space you complete. Can you get bingo? Can you fill the entire card?

B	I	N	G	O
Read a graphic novel or comic book 	Read a magazine for kids	Read a chapter book	Read with a flashlight 	Read aloud to a family member
Listen to an audio book	Read to a sibling or friend	Read the instructions to a game. Then play it! 	Swap a book with a friend; read it	Read a book when it is raining outside 
Read for 20 minutes in a comfy chair 	Read a poem 	Read a nonfiction book	Read a book that is also a TV show or movie 	Got to the library and pick out 3 books to read
Read a story and tell someone about the main characters	Read a book with someone and take turns reading pages	Read a book with a 1-word title 	Read a book electronically	Read a book outside on a sunny day 
Read a book that has won an award 	Read a funny book	Read a book you love 	Read the first book in a series	Read a book based on a superhero 

## Writing Activities

- Write a realistic fiction story. Don't forget to add details. Show some of your feelings. Add some dialogue. What did your characters say? How did they feel?
- Make an informational Book. You can write many chapters about your favorite topics or research and choose a new one. Be sure to use text features like pictures, labels, captions, and diagrams. Make sure you use expert language like important vocabulary.
- Write a letter, or a speech, or an essay. What is something that you feel strongly about? Plan it using boxes and bullets. You can even do some research to learn more.

**BOXES & BULLETS**  
A TOOL FOR ORGANIZING ESSAYS

CLAIM/THEISIS: \_\_\_\_\_

REASON #1:

- EVIDENCE:
- EVIDENCE:
- EVIDENCE:

REASON #2:

- EVIDENCE:
- EVIDENCE:
- EVIDENCE:

REASON #3:

- EVIDENCE:
- EVIDENCE:
- EVIDENCE:

- Compare two books, a book and a movie, a book and an article on the same topic. How are they alike? How are they different? What can they teach you?
- Write a graphic novel. What images will you add? What words?

## Vocabulary

- Choose 5 new words in each book or article you read. Practice using them with your family.
- Write sentences that have more than 6 words. Try a 7 word sentence. 8 words? 10 words? Be sure it makes sense.
- Challenge your family to see who can learn the most new words each day. Get a point every time you use a new word. Who will win?
- Play Scrabble or Words with Friends or Boggle or another word game.

## Math

### Investigation 1: Natural Resources

Two students were playing the game Rock Paper Scissors (rock crushes scissors, scissors cut paper, paper covers rock). They had agreed that at the end of each game, the loser would give the winner a rock from his or her collection.

After playing many games, Student A had won three games, and Student B had won the rest. When they stopped playing, Student B had three more rocks than she had when they began.

What is the fewest number of games of Rock Paper Scissors they could have played?

Show or explain how you know.

**Investigation 2: Soils and Weathering**

**Andy, Bette, Cate, Dustin, Erik, and Franco are rock collectors. Each collector has chosen some rocks from his or her collection to trade. Each collector is going to trade with every other collector. How many different pairs of collectors will trade rocks?**

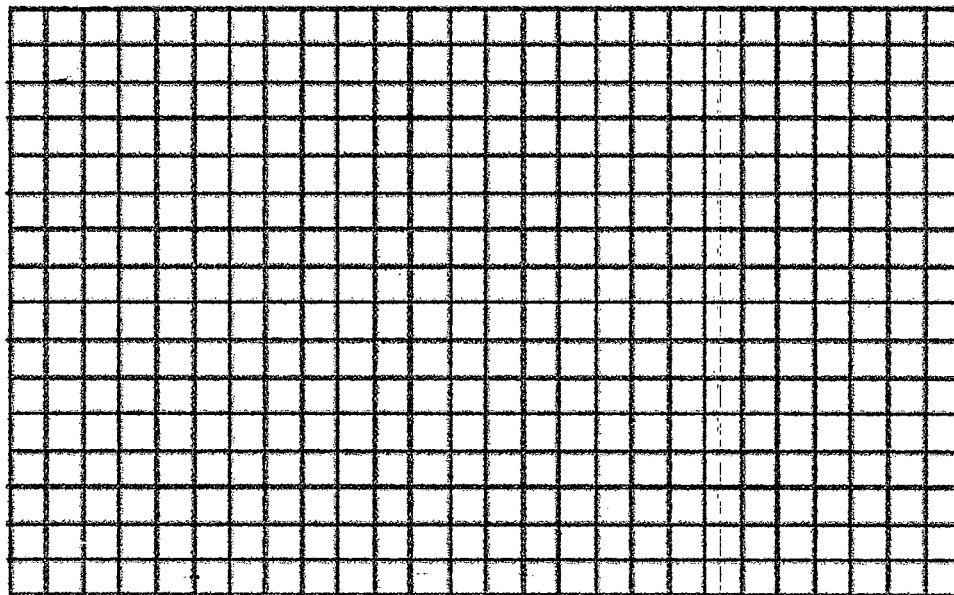
**Show or explain how you know.**

### Investigation 3: Mapping Earth's Surface

Keisha's class was planning to hike on a trail in the local state park. Her teacher asked them to figure out how steep the trail would be along the way. They looked at a topographic map of the park and figured out the distances between stops and the elevation of each stop. They recorded their data on the table you see here.

Use the data in the table to draw a profile of the trail.

Stop No.	Distance (km)	Elevation (m)
Start	0.0	492
1	1.0	500
2	1.8	485
3	2.5	472
4	3.2	508
5	4.1	510
6	5.0	521
7	5.6	518
8	6.3	530



Between which two stops is the trail the steepest?

Between which two stops is the trail the least steep?

Use the back of this sheet to explain how you came up with these answers.

## Math

### Investigation 1: Rocks and Minerals

Two students were testing minerals for hardness. After working all day, they had tested 57 minerals. Student A tested 9 more minerals than Student B.

1. How many minerals did each student test?

Student B found that one-third of his minerals could be scratched with a steel nail, one-third with an aluminum nail, and one-third with his fingernail. Student A found the same results with the minerals she tested.

2. How many of the minerals were scratched with each tool?

Investigation 2: Landforms

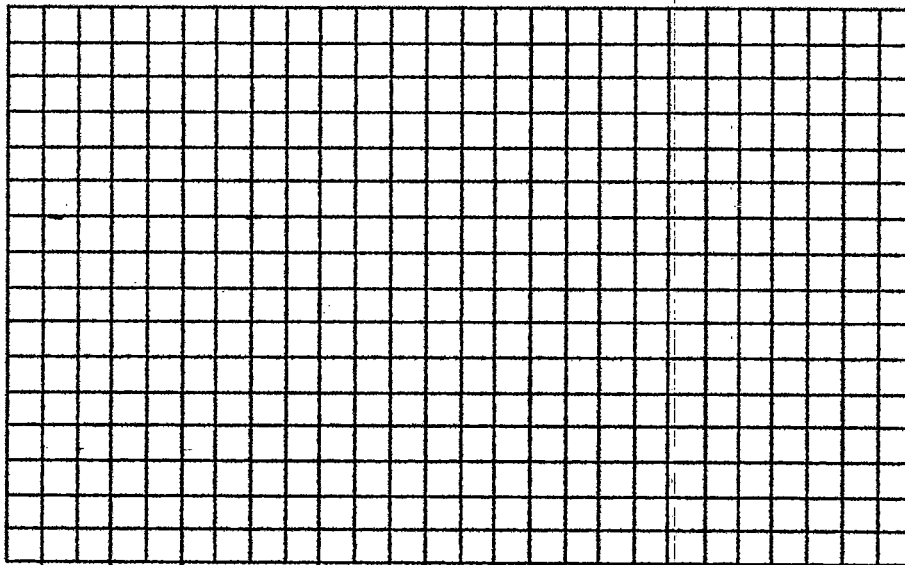
A class investigated how the slope of a stream table affected deposition. Each group tested the same four slopes by elevating the end of the tray 2, 3, 4, and 5 centimeters (cm). They measured the length of the alluvial fan after each test. The results are in the data table.

Calculate the average length of the alluvial fans formed. Round your answers to the nearest 0.1 cm.

Slope height	Group 1	Group 2	Group 3	Group 4
2 cm high	4.4 cm	4.8 cm	4.2 cm	4.6 cm
3 cm high	5.2 cm	5.6 cm	5.4 cm	5.2 cm
4 cm high	6.3 cm	6.4 cm	6.1 cm	6.1 cm
5 cm high	7.4 cm	7.6 cm	7.3 cm	7.0 cm

Prepare a graph of the average alluvial fan lengths.

Predict the length of the alluvial fan if the tray were elevated 1 cm. \_\_\_\_\_





## HOME/SCHOOL CONNECTION

### Investigation 3: Weather and Water

#### Invisible water

1. Moisten your forearm with a damp washcloth.
2. Either blow gently on the wet spot or fan your arm with a stiff sheet of paper.
  - How does the wet spot on your arm feel? What happens to the water on your arm?
  - How does sweating help keep your body cool?

**NOTE:** It takes heat to evaporate water into water vapor.

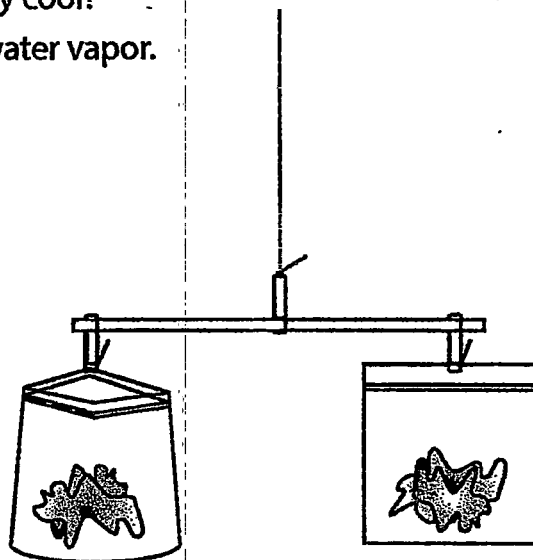
#### Into thin air

How fast does water evaporate in your home?

Set up an evaporation system and find out.

You will need

- 1 Plastic straw
- 3 Paper clips, regular size
- 1 Piece of string about a meter long
- 2 Plastic zip bags
- 2 Paper towels




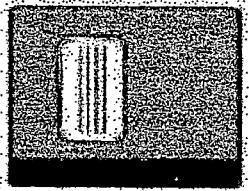
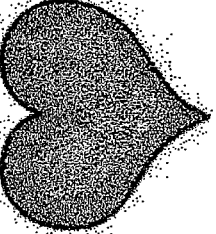
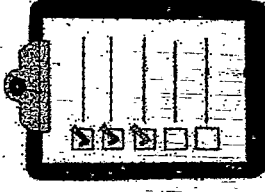
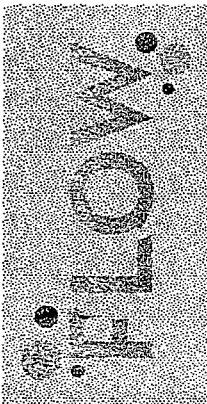
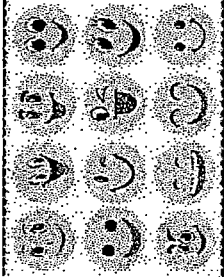
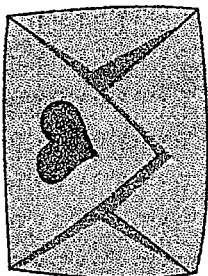
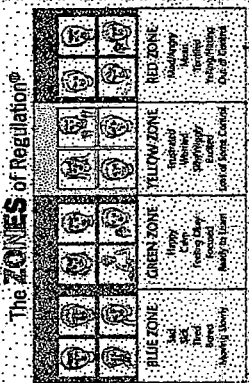
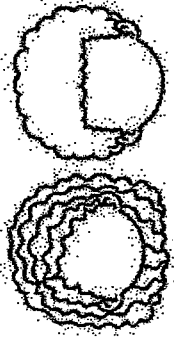


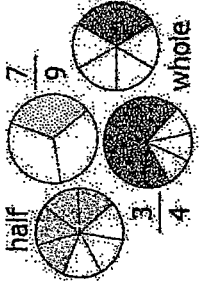
1. Slide three paper clips on the straw. Open the clips on the ends to make hooks.
2. The middle paper clip is the pivot point. Tie the string here.
3. Moisten the paper towels. Put one in each bag. Seal one bag and leave the other open.
4. Hang the bags on the two hooks. Slide things around until they balance.
5. Hang the whole system where it can be monitored closely. Observe.

#### Think about humidity

Where did the water go? The amount of water vapor in the air is called **humidity**. When air contains as much water vapor as it can possibly hold, the humidity is 100 percent. Warm air can usually hold more water vapor than cool air.

- Watch a weather report or check on the web. What is the local humidity?
- How could the humidity of the air change the rate of evaporation?

# Daily SEL Challenge

<p>Create a calming corner or spot in your house with your favorite things.</p> 	<p>Write a journal entry about how you are feeling today.</p> 	<p>Self-love and self-compassion are important! List 5 ways you can be kind to yourself.</p> 	<p>Make a list of 15 kind things you can do for others.</p> 
<p>Do a mindfulness activity on GoNoodle Flow.</p> 	<p>Do something kind for someone. Write about how it made them (and you) feel.</p> 	<p>Write a kind note or letter to someone else. Take a picture of it or send an email.</p> 	<p>Teach your family about the Zones of Regulation. You can even create your own check-in.</p> 
<p>Draw a portrait of someone you know who is a leader. List the qualities that make them a leader.</p> 	<p>Email a teacher and thank them for all of their hard work.</p> 	<p>Spend time with a family member by watching a movie, playing a game or taking a walk together.</p> 	<p>Teach a friend or family member a skill or strategy you've learned.</p> 

# MARCH

## DEAM Calendar Drop Everything And Move

**BE GOOD**  
by being helpful

Name:	Teacher:
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**Purpose:** This calendar encourages families to become more physically active and to take steps toward a healthier lifestyle. Each day, students are asked to complete a different activity with a family member (or with adult supervision).

**Directions:** After a student completes a day's activity, adults make a check mark and initial in the space provided. Each week, you can miss one day (activity). If this happens, put an "X" in the space provided for a check mark (do not initial).

✓ Done	Day	DEAM Activity
	1	Pick 5 different muscles to stretch. Hold each stretch for 20 seconds.
	2	Play
	3	Do as many curl-ups as you can.
	4	March Madness: Take 64 imaginary jump shots.
	5	Say your math facts while doing reverse lunges.
	6	Take a walk.
	7	Kids should be active sixty minutes EVERY day! Do 60 jumping jacks.
	8	Pick 5 different muscles to stretch. Hold each stretch for 20 seconds.
	9	Play a game that is active. You decide what that is.
	10	Do as many trunk-lifts as you can.
	11	Take 32 imaginary dunks and 16 cross-over dribbles.
	12	Do push-up shoulder taps while reciting your spelling words.
	13	Take a walk.
	14	Run in place
	15	Pick 5 different muscles to stretch. Hold each stretch for 20 seconds.
	16	Take a hike.
	17	Do as many squats as you can.
	18	Take 8 pretend chest passes and 4 imaginary foul shots.
	19	Perform squat-jumps while naming the continents.
	20	Take a walk.
	21	How many food groups are there? Do 5 plank-jacks.
	22	Pick 5 different muscles to stretch. Hold each stretch for 20 seconds.
	23	Play outside.
	24	Do as many push-ups as you can.
	25	Take 2 laps around a pretend court and 1 giant star-jump!
	26	Read a book while doing a wall sit.
	27	Take a walk.
	28	About how many glasses of water should you drink each day? Do 8 burpees.
	29	Pick 5 different muscles to stretch. Hold each stretch for 20 seconds.
	30	Go to the park!
	31	Do as many squat-thrusts as you can.

**Please Remember**

- ✓ Always get adult permission before doing any activity.

