ISTE, 2024 DENVER, COLORADO, OZOBOT BOOTH

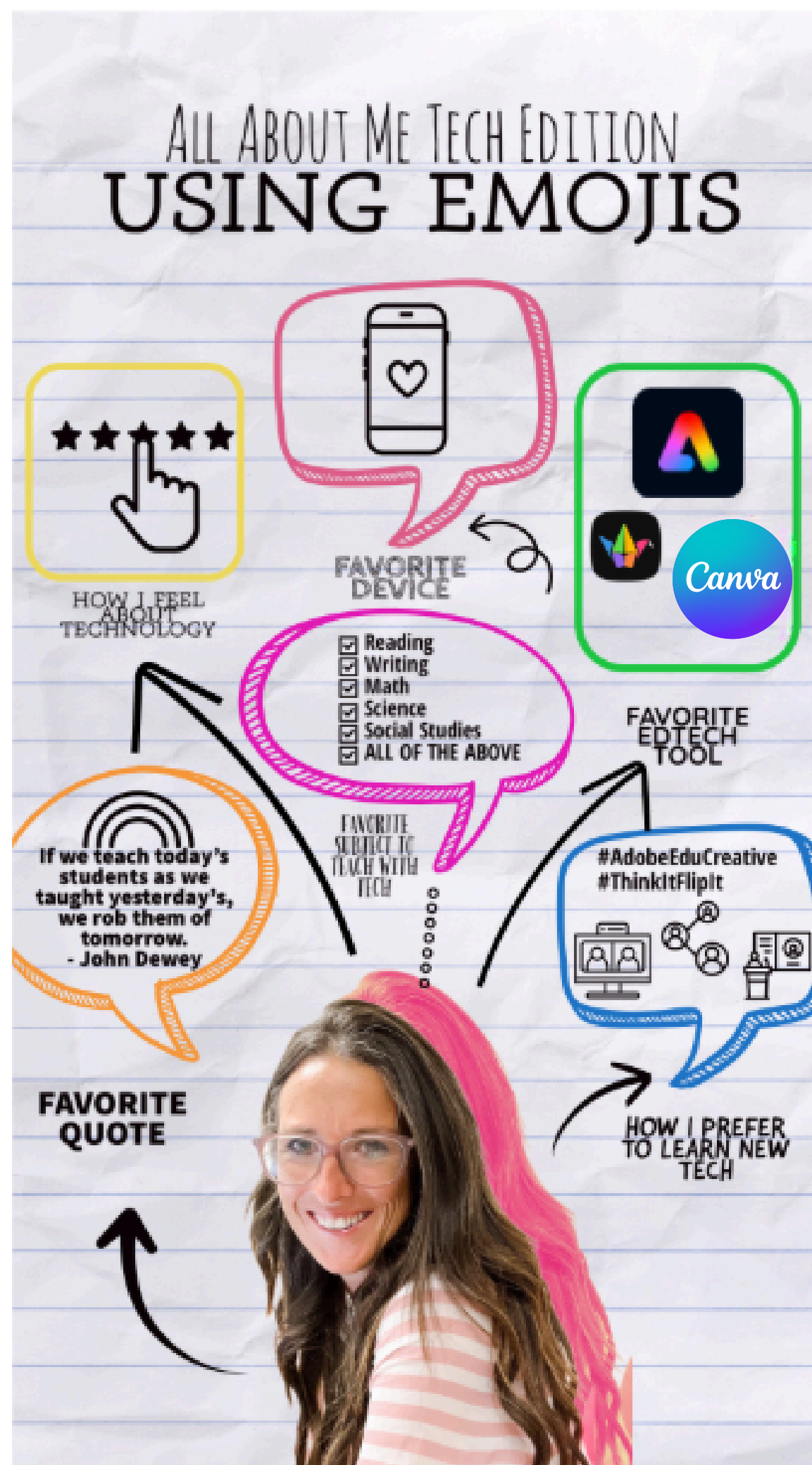# ELEMENTARY CONTENT INTEGRATION WITH

OZOBOTS

NIKKI JONES

K-5 INSTRUCTIONAL TECHNOLOGY COACH

NIKKI JONES

- #Boymom + wife
- 19+ years in education
- Instructional Technology Coach
- Ozobot CE
- Adobe Creative Educator Leader + Innovator
- Microsoft Innovator Educator Expert (MIEE)
- ISTE Presenter
- Creativity, STEAM, edtech

HOW IT STARTED

Probability and Data with Ozobots

Color	Probability	Unlikely/Equal/Likely	Test Results
Blue			
Green			
Red			

Tell what your Ozobot paths would look like to get a CERTAIN outcome?

Tell what your Ozobot paths would like like to get an IMPOSSIBLE outcome?

- Donors Choose
- Grants
- CE Program

PRO TIPS

- Set expectations with learners

- Practice drawing lines

- Practice making codes

- Start BASiC

- Always have extra markers + post its/labels
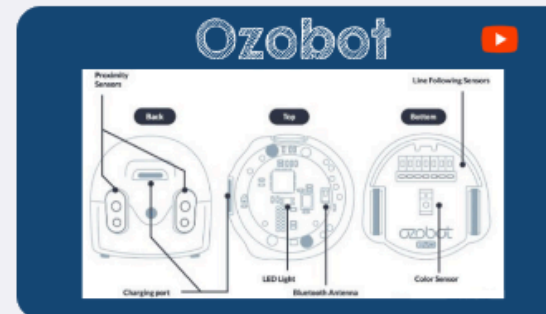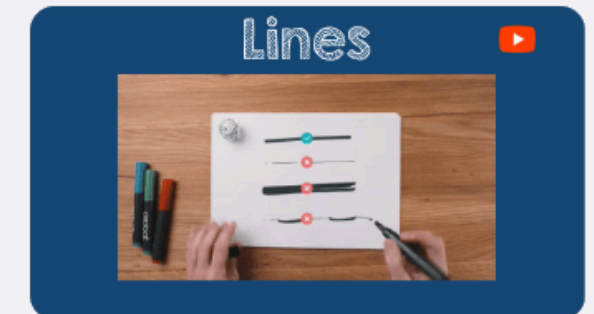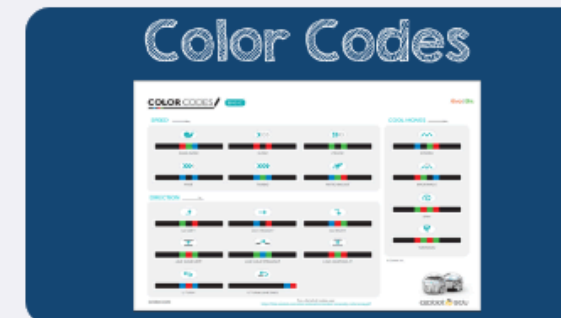
- White paper!
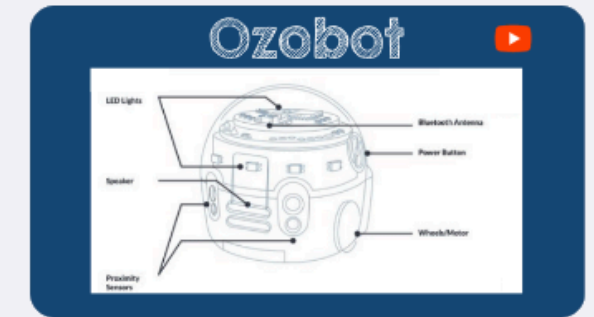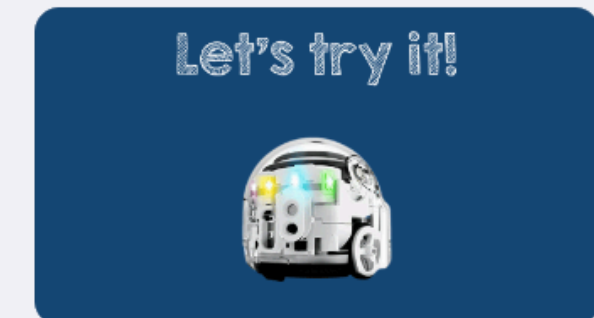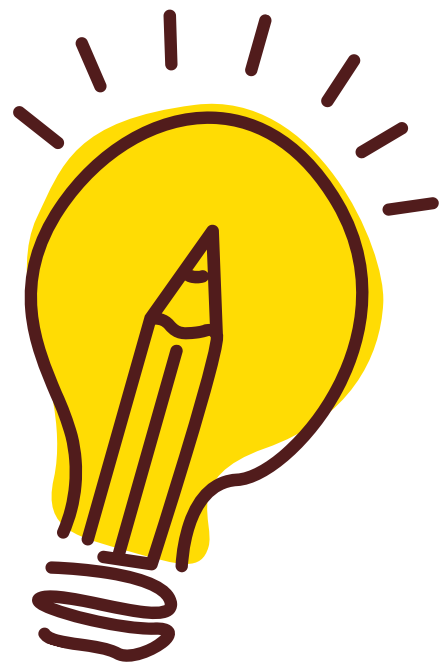
PRO TIPS

- Have learners create a plan

- Use pencil first

- Create criteria for Ozobot challenges/mazes

- Have learners record their code and share

Ozobot Map Challange

Hello Explorers,

Today you are going to travel around the world on your map!

Your challenge:

- Travel to at least FOUR continents.
- Visit at least one geographic feature on the continent.
- Visit at least one tourist attraction.
- Change the Ozobot speed THREE times.
- Make TWO cool moves.

Steps:
1. Complete the planning chart.

Continent:	Geographic Feature:	Tourist Attraction:	Other:

2. Select your three-speed changes. Record them here
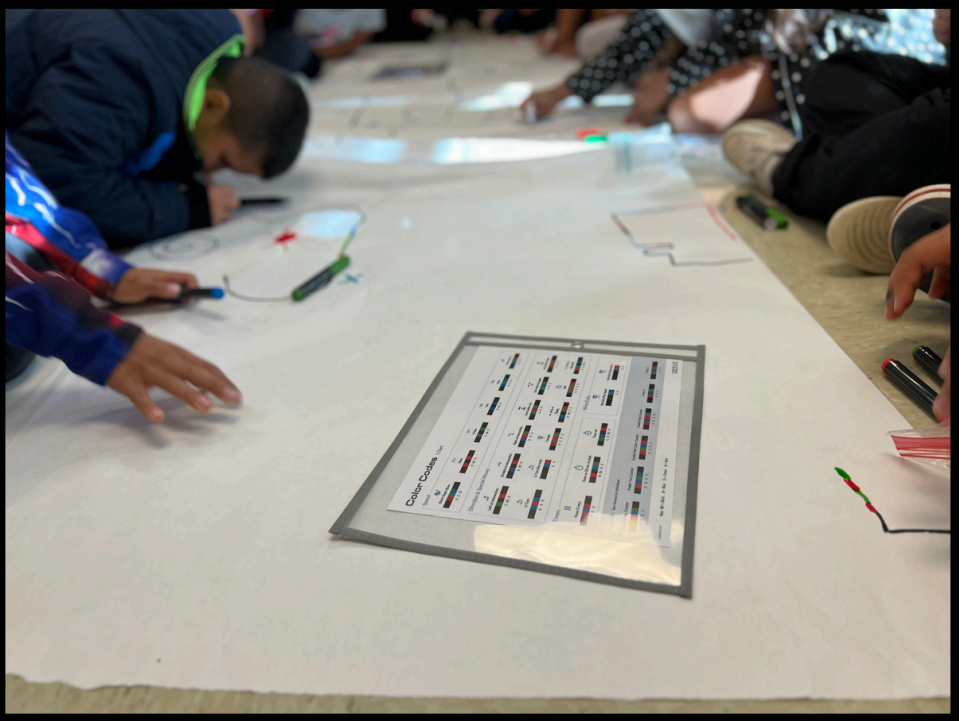

3. Select your two cool moves. Record them here

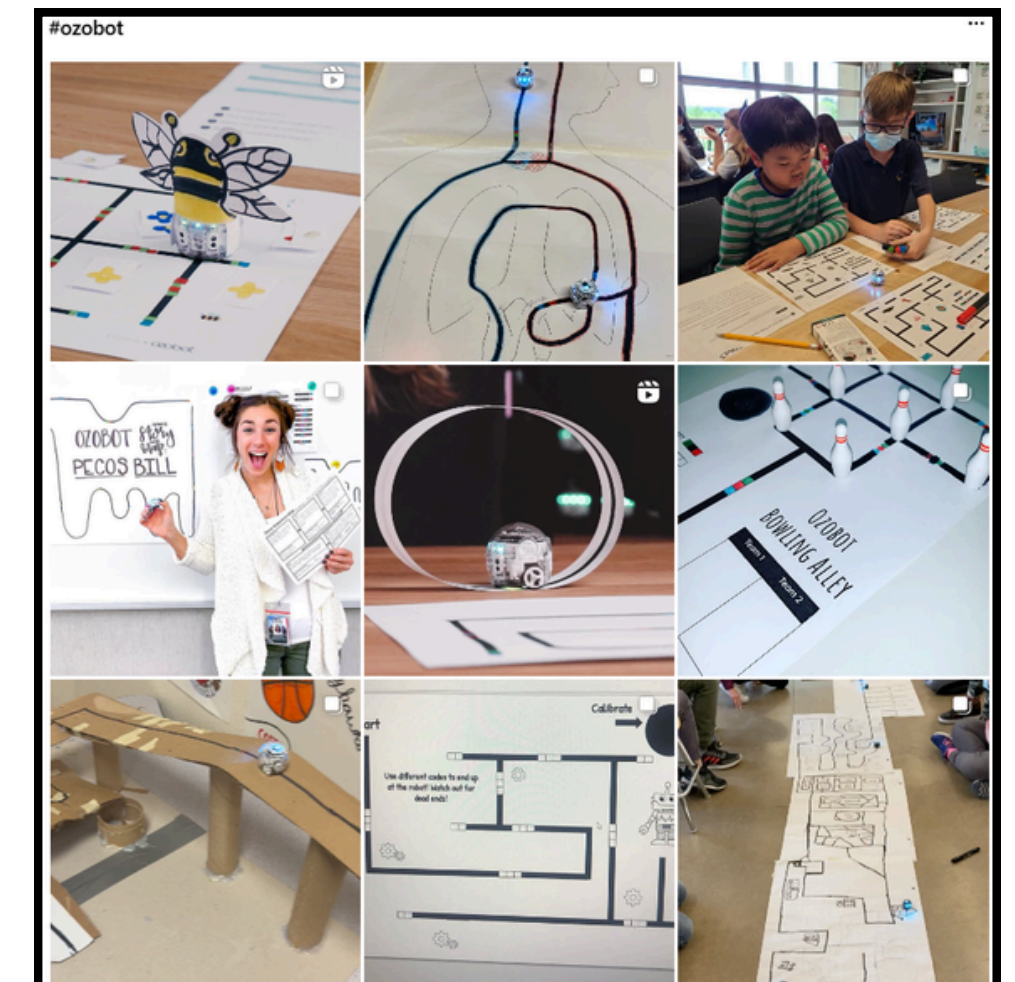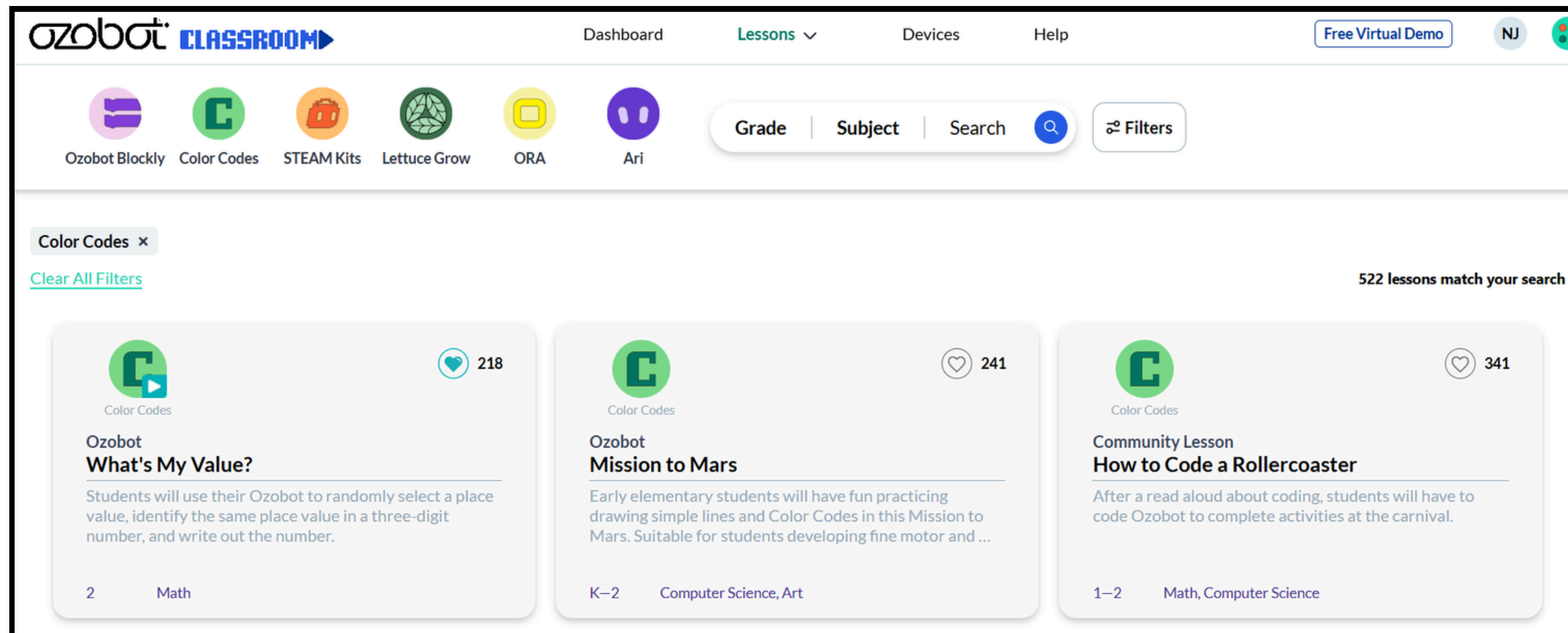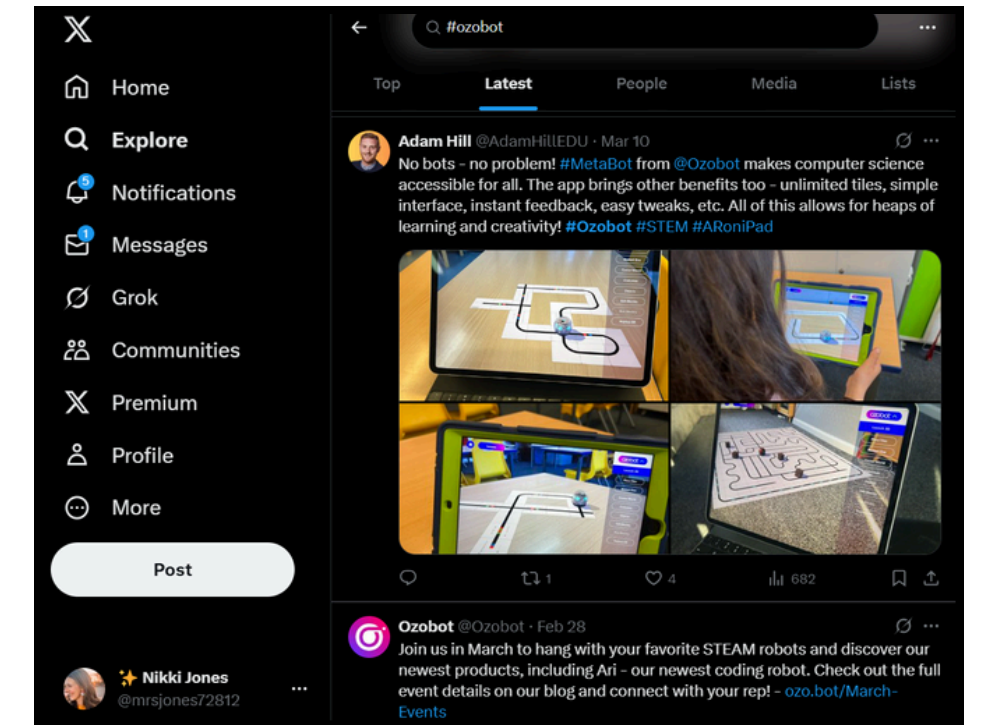4. Start creating the Ozobot map of your world.

5. Write a paragraph about your Ozobots journey. Name the continents, oceans, and cardinal directions in your paragraph
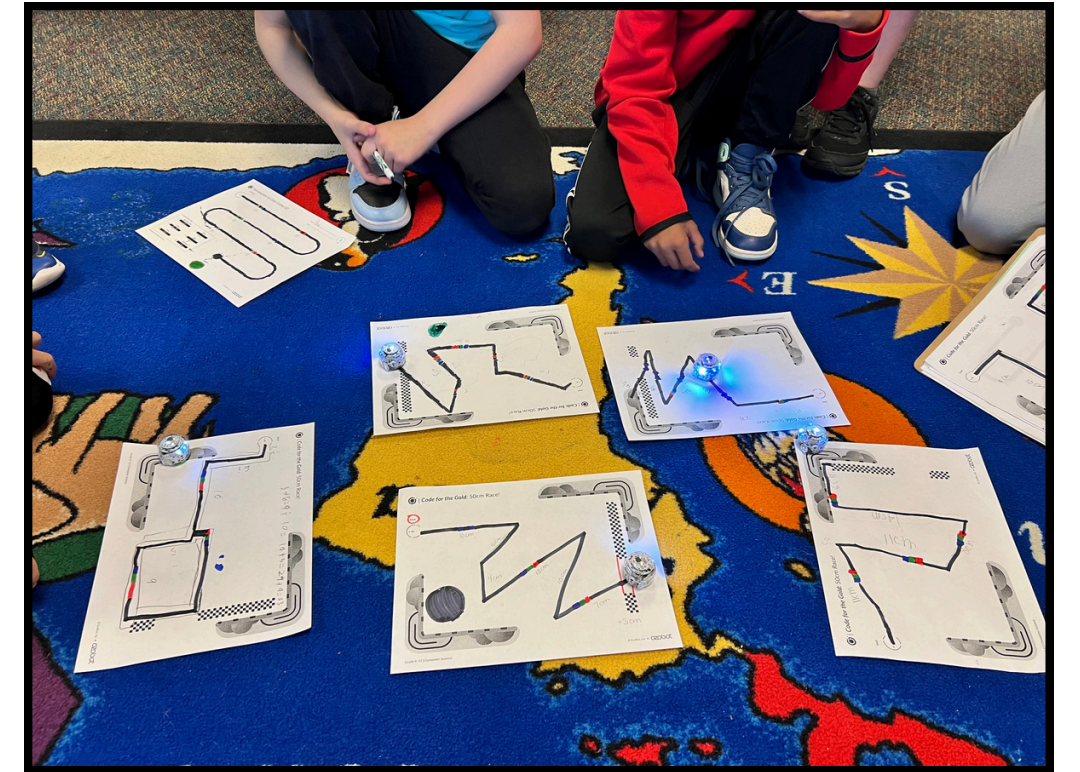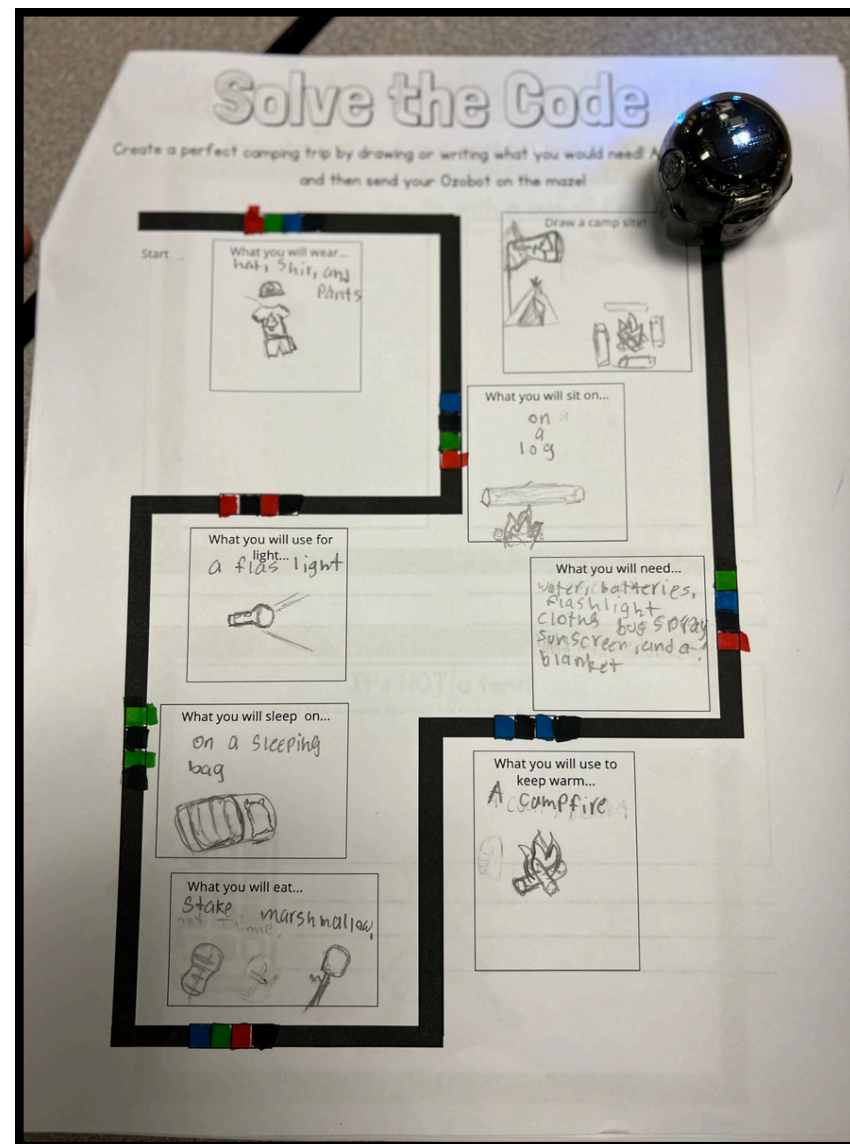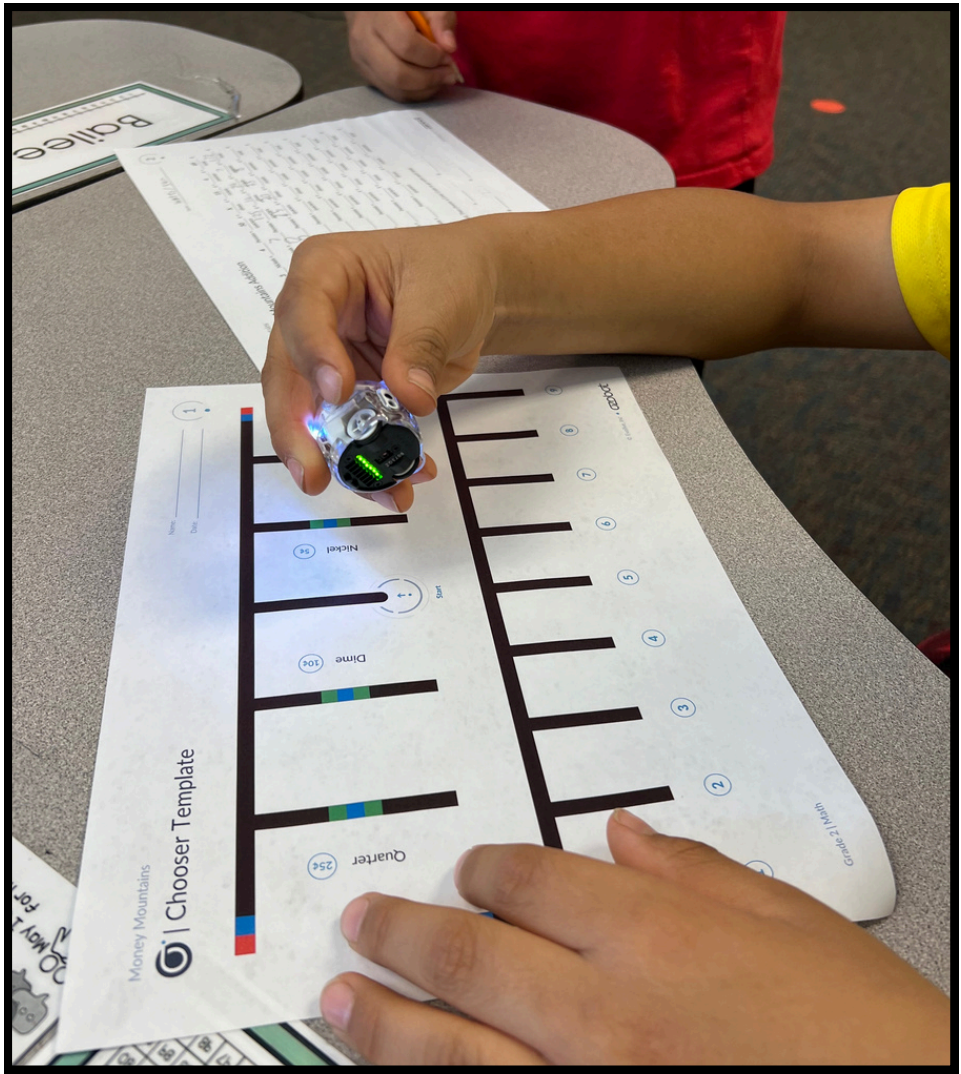

PRO TIPS

- Look in the lesson library for ideas

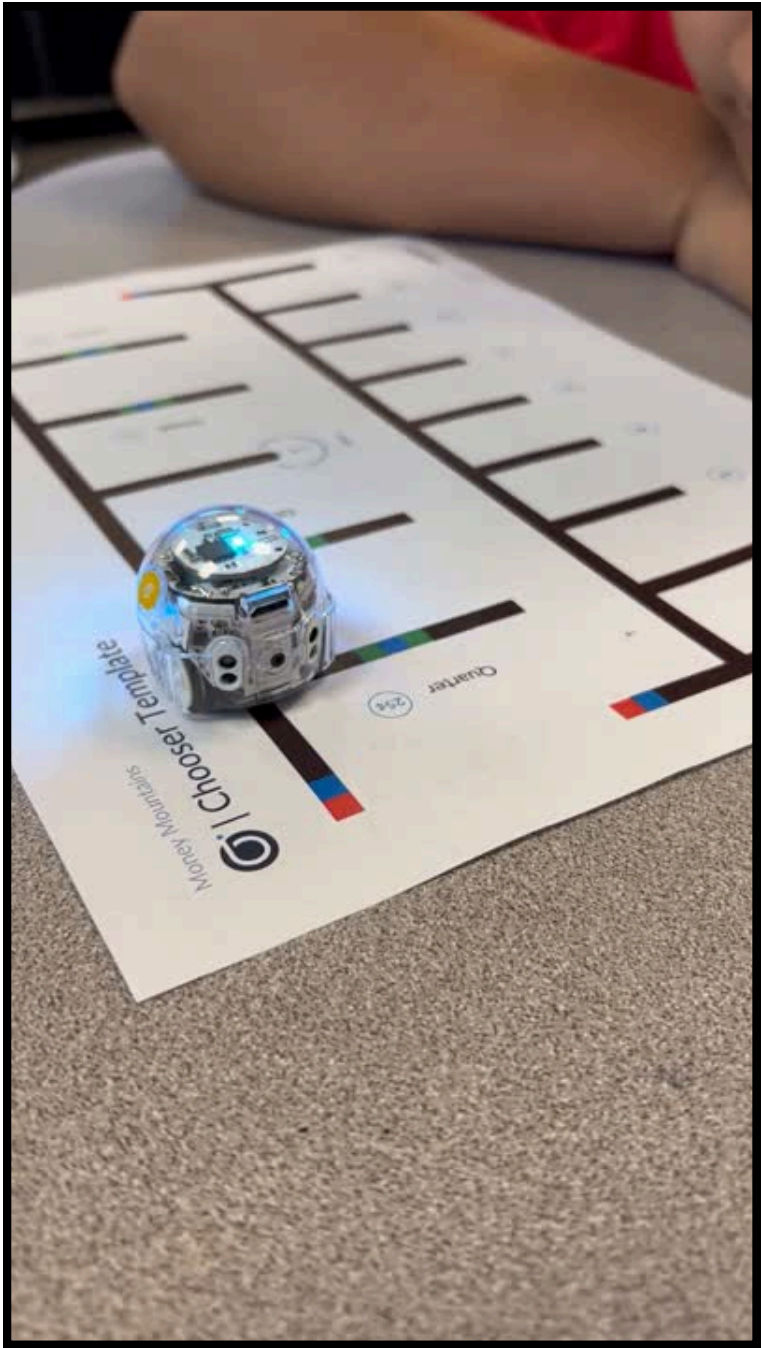- Search Twitter, IG and the Ozobot blog for inspiration

INTEGRATION

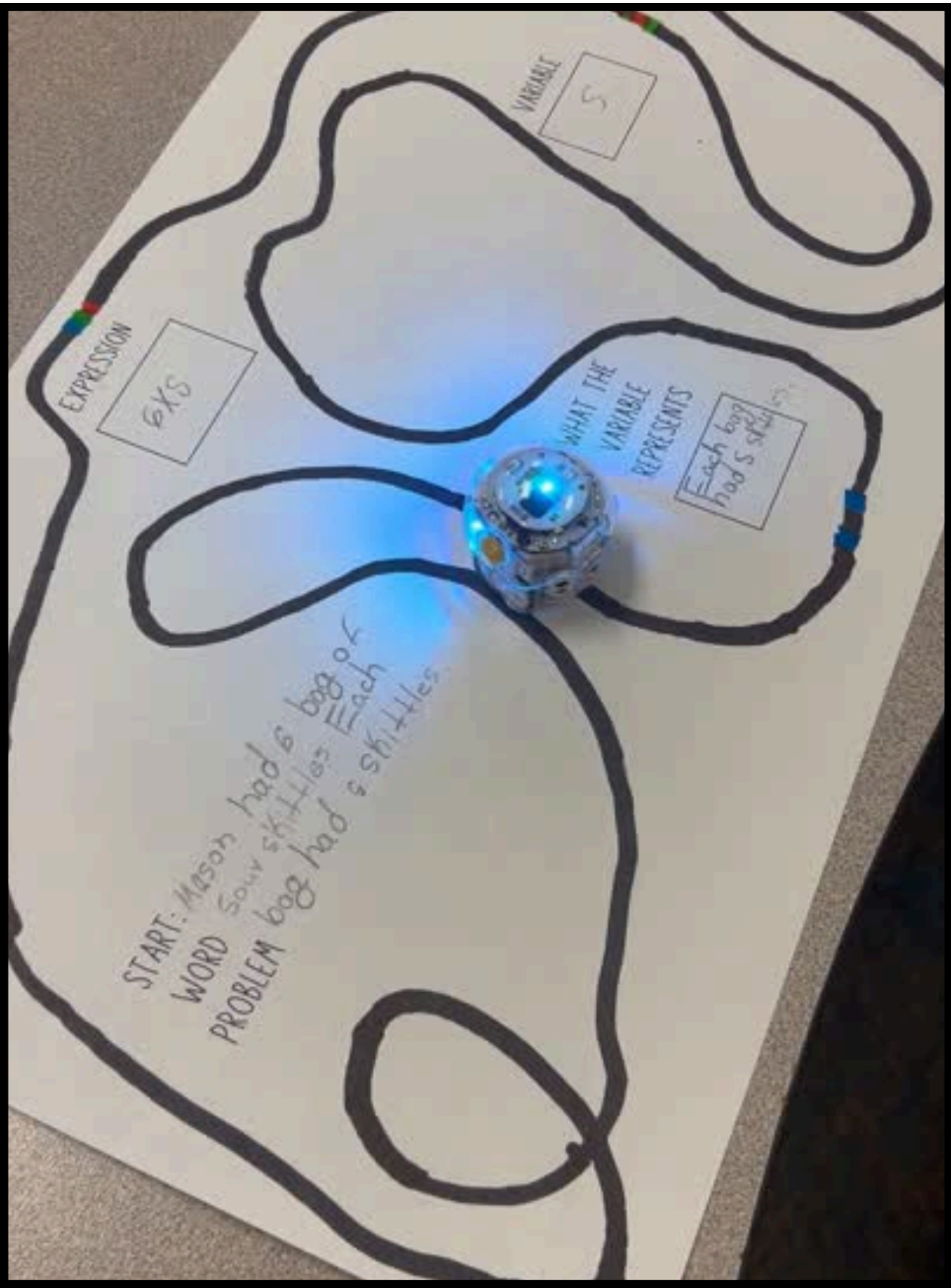Ozobots can help engage

learners in ANY content!

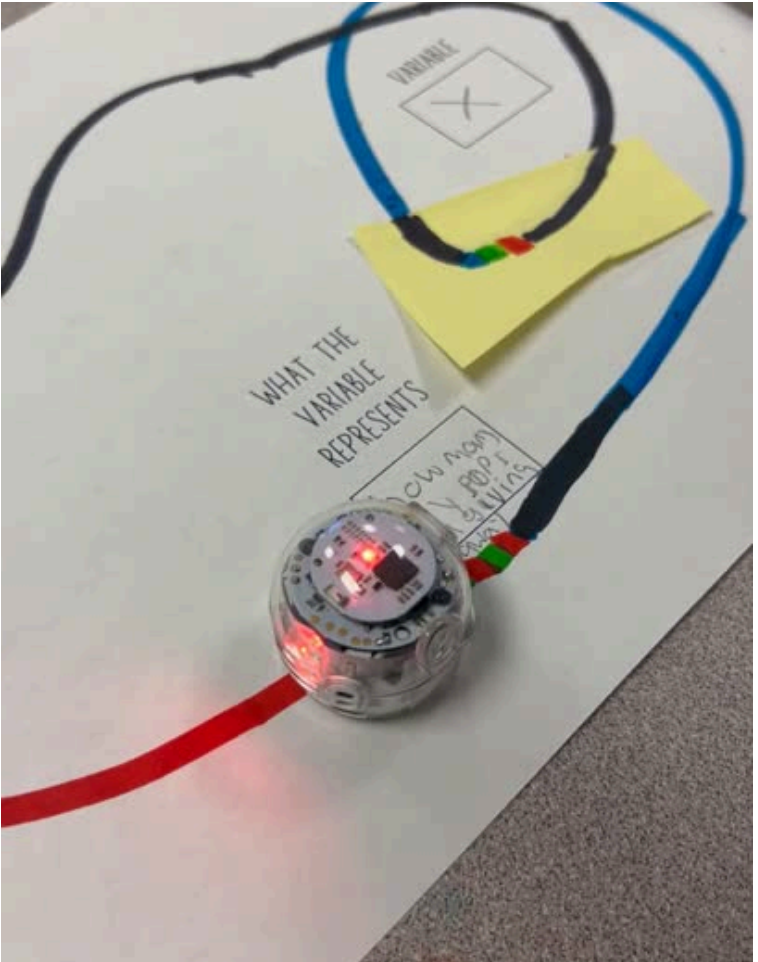Counting a collection of coins/making change (2nd Grade)

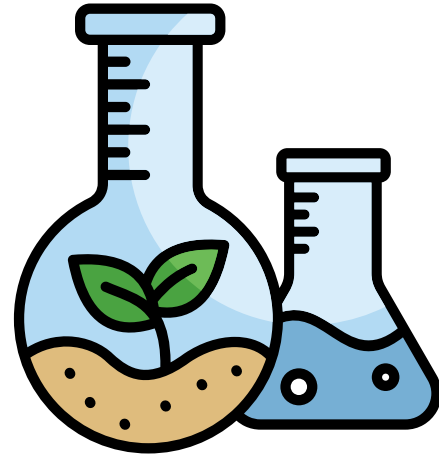Counting a collection of coins/making change (2nd Grade)
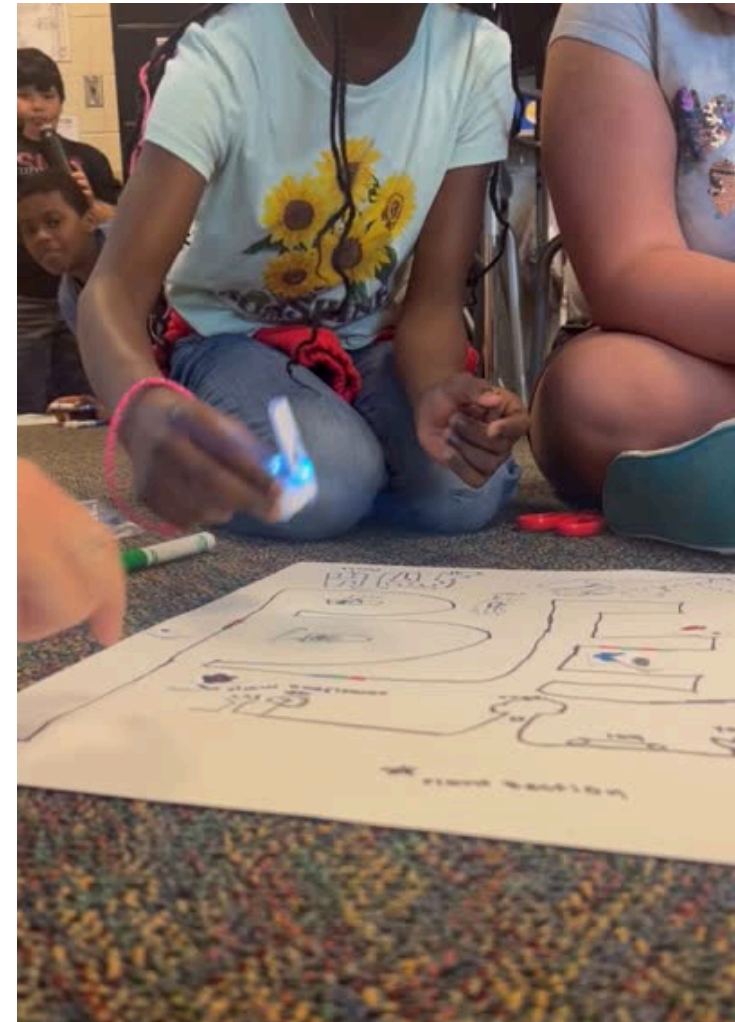

Creating expressions (5th Grade)

Creating expressions (5th Grade)

MATH

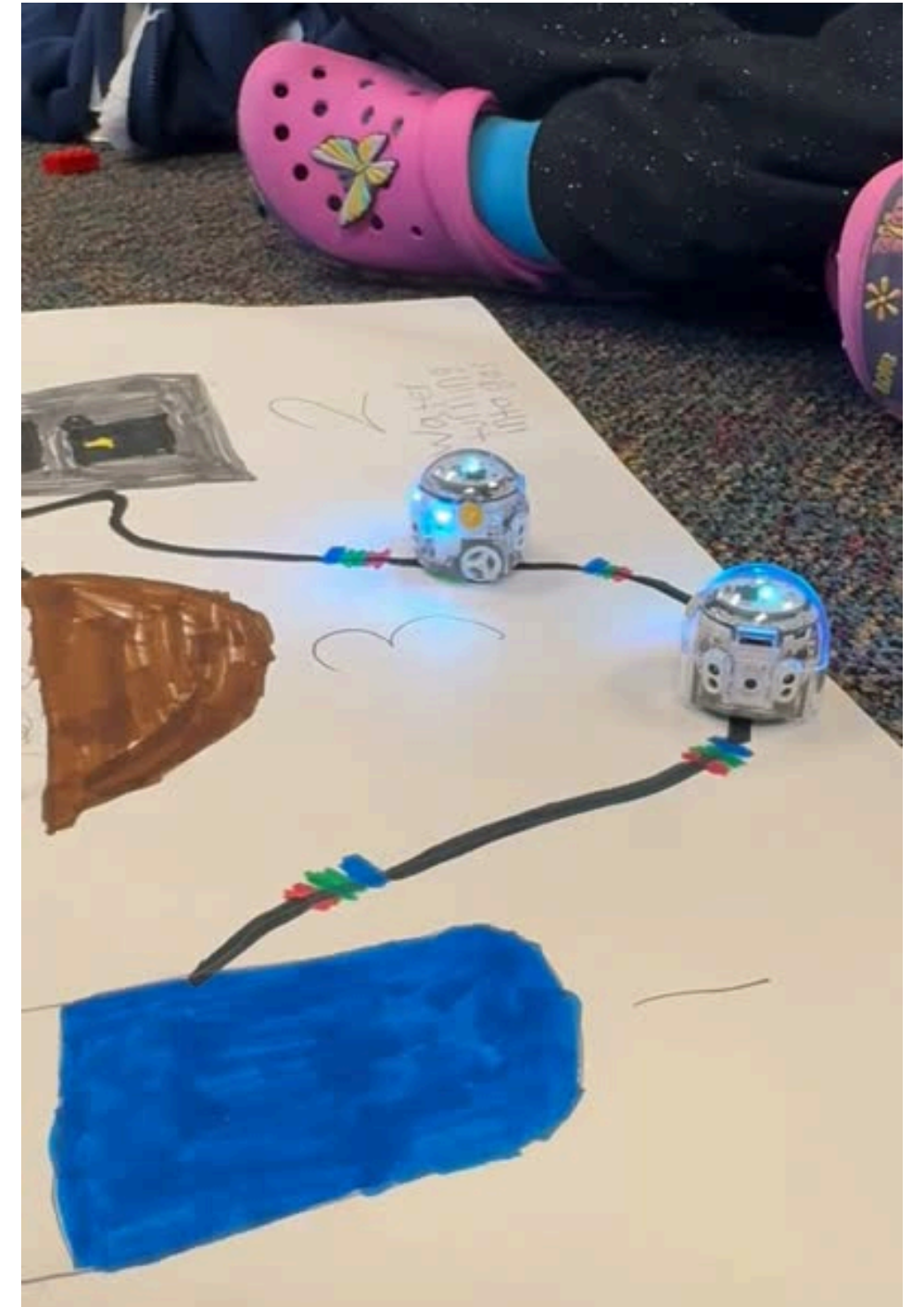Polygons + Measurement (3rd Grade)

Polygons + Measurement (3rd Grade)

Ozobot Geometry Challenge

large polygon:

- create a large polygon with a black ozobot marker
- subdivide the polygon into at least 3 parts using another ozobot marker color (red, green or blue)
- label each polygon
- add 2 speed codes
- add 1 special move code

smaller polygons:

speed codes/cool moves:

special move:

Draw your plan before you get big paper:

$3 + 5 + 3 + 3 + 3 + 6 = 23$

3in

5in   3in

P = 23in

6in

Area/Perimeter (3rd Grade)

| Area with Ozobot

① Area = _____ units _____ x _____
                              length   width

② Area = _____ units _____ x _____
                              length   width

MATH

SCIENCE

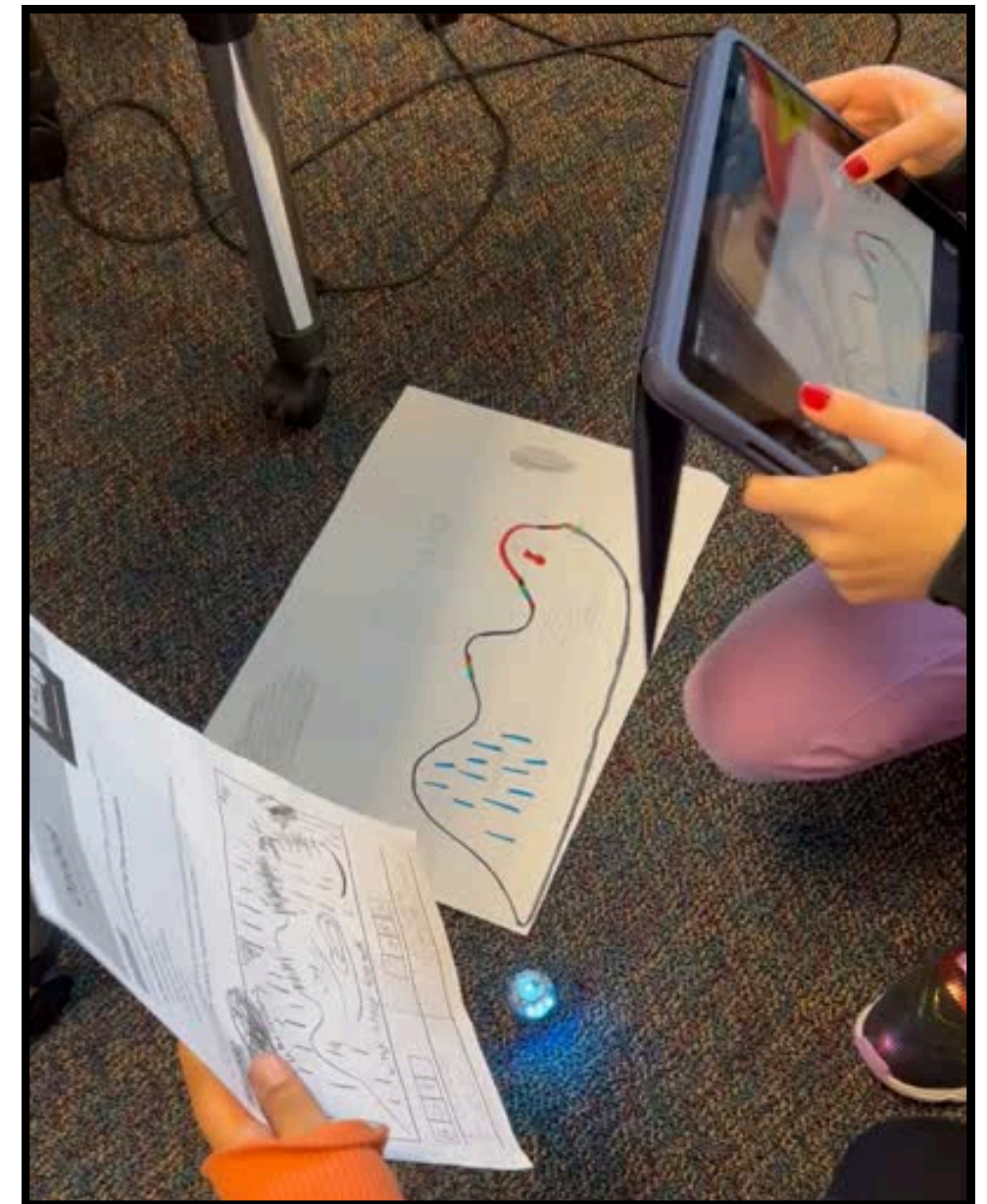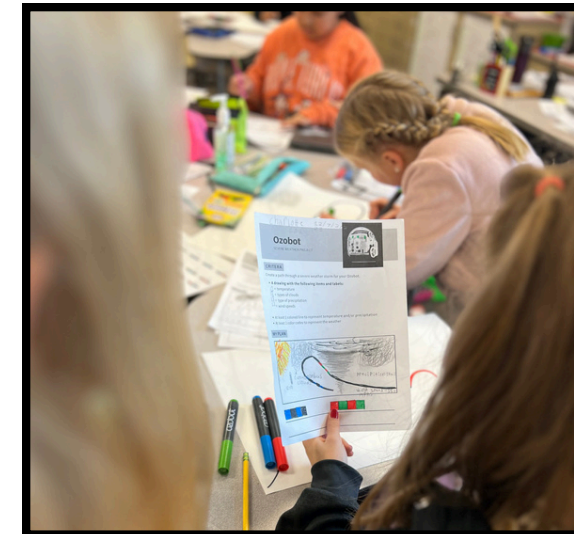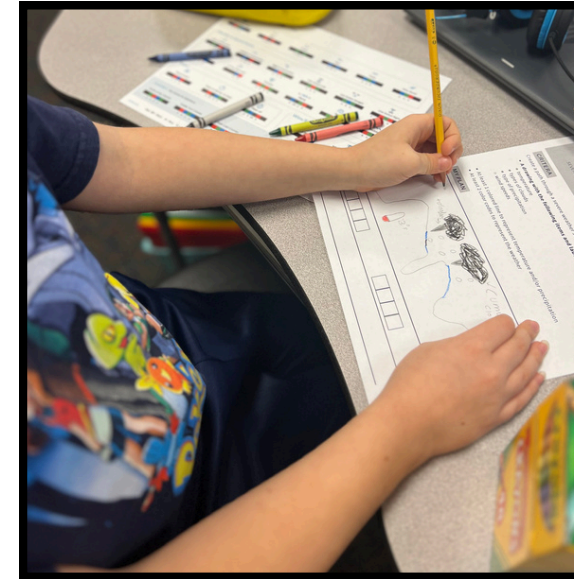Life cycles/ Habitats (2nd Grade)

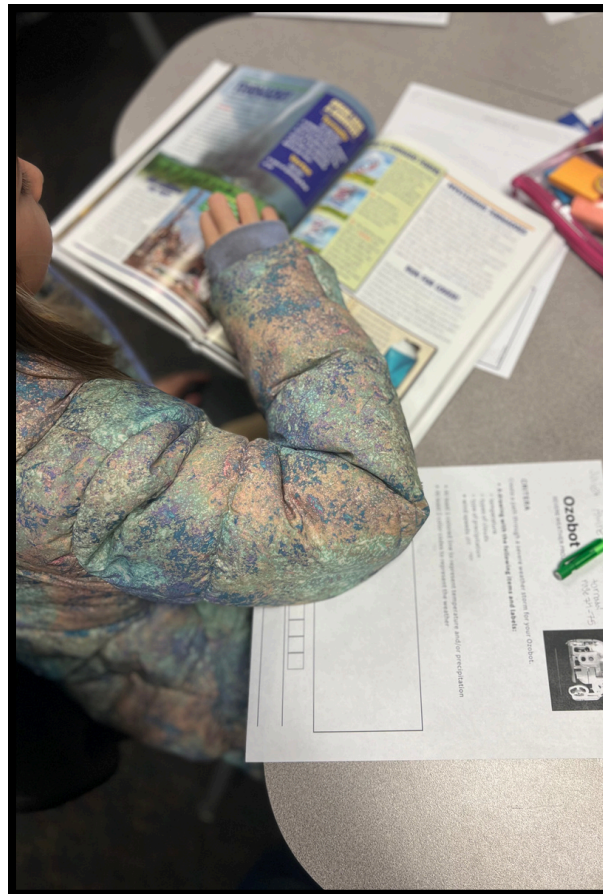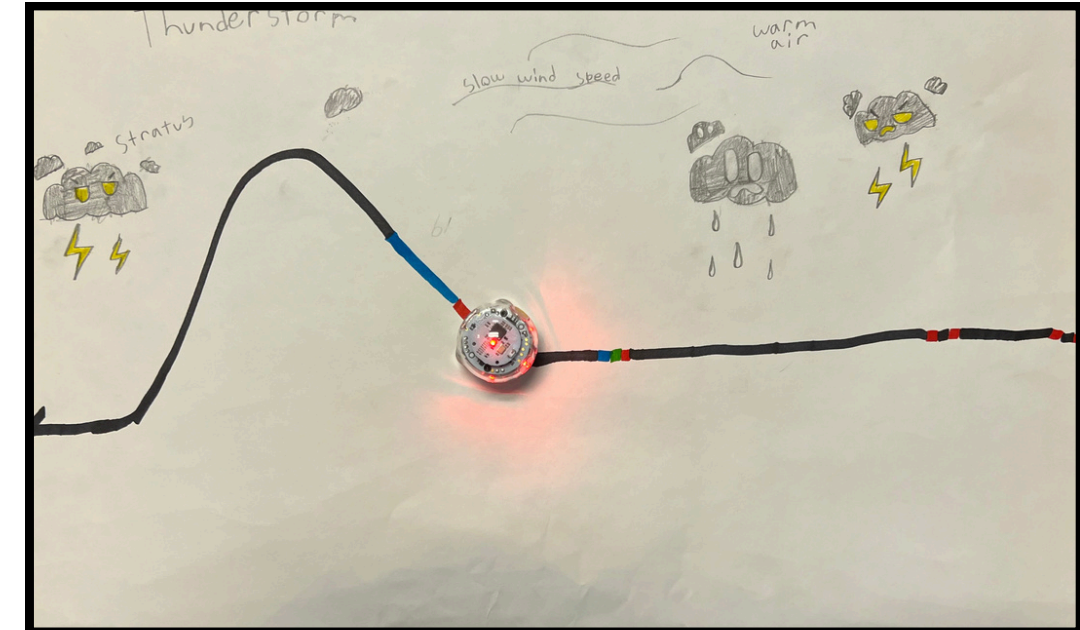Changing states of matter (2nd Grade)
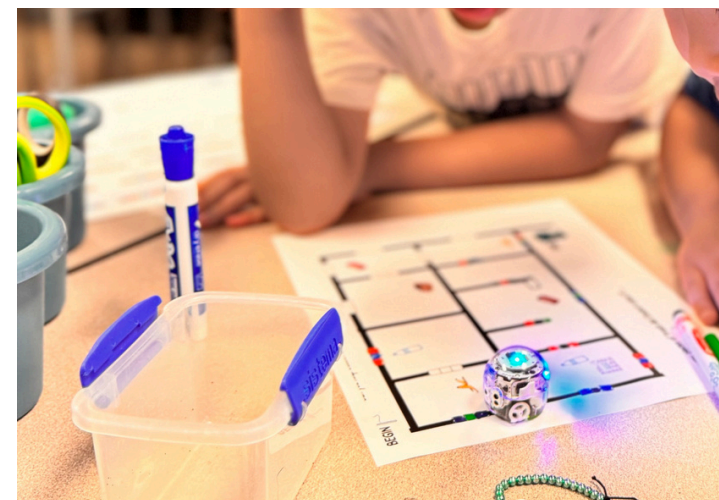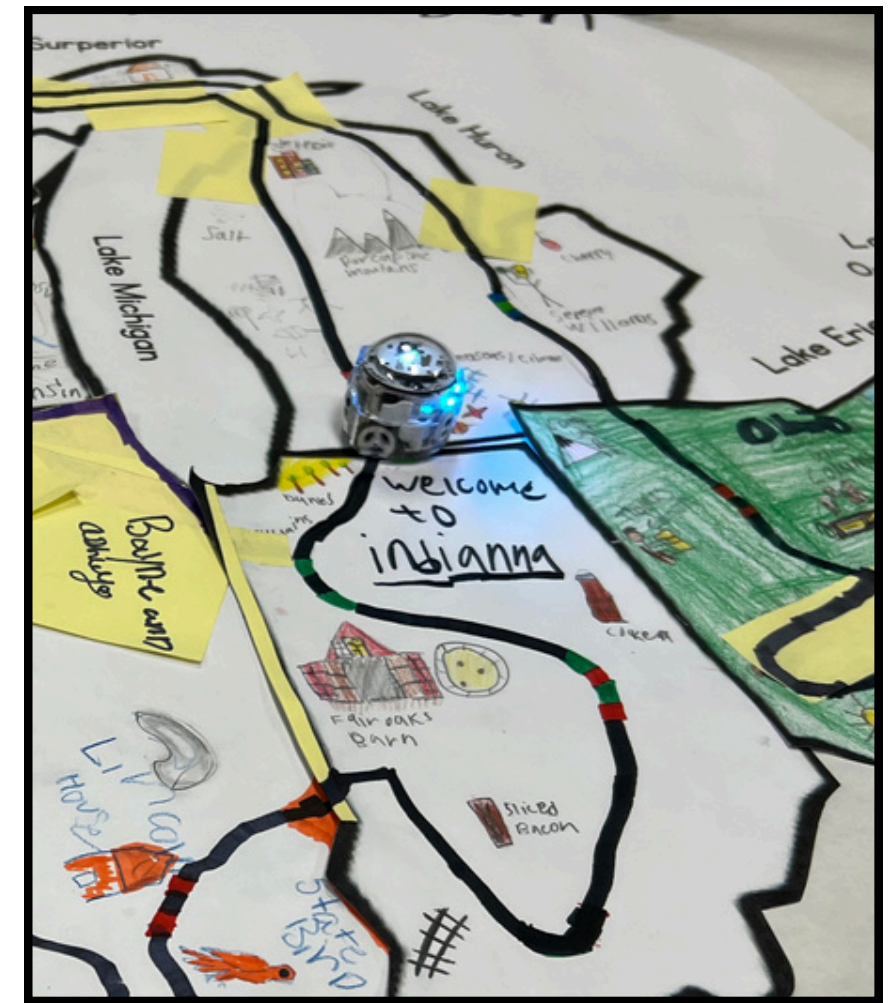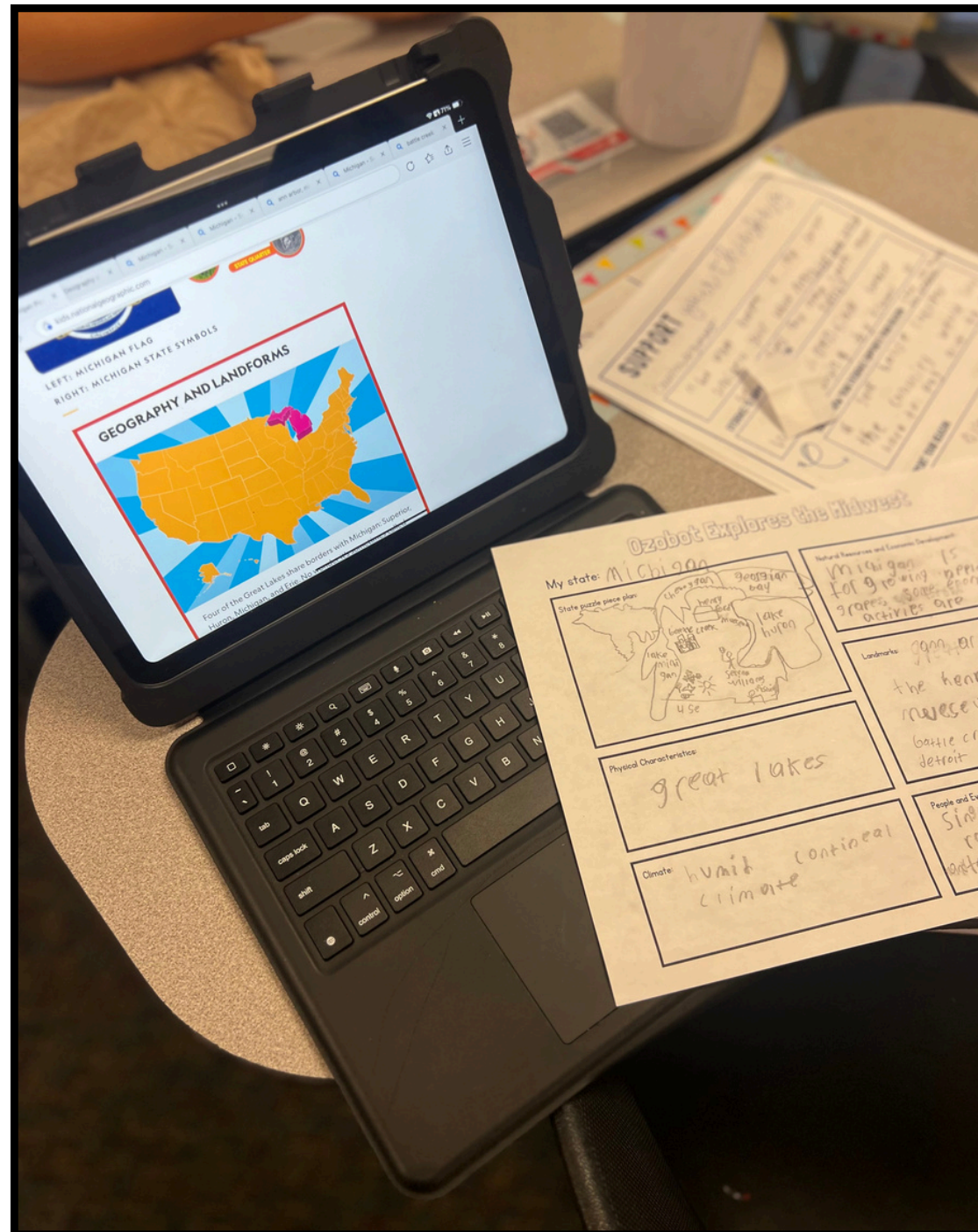
Earth Day

Earth Day

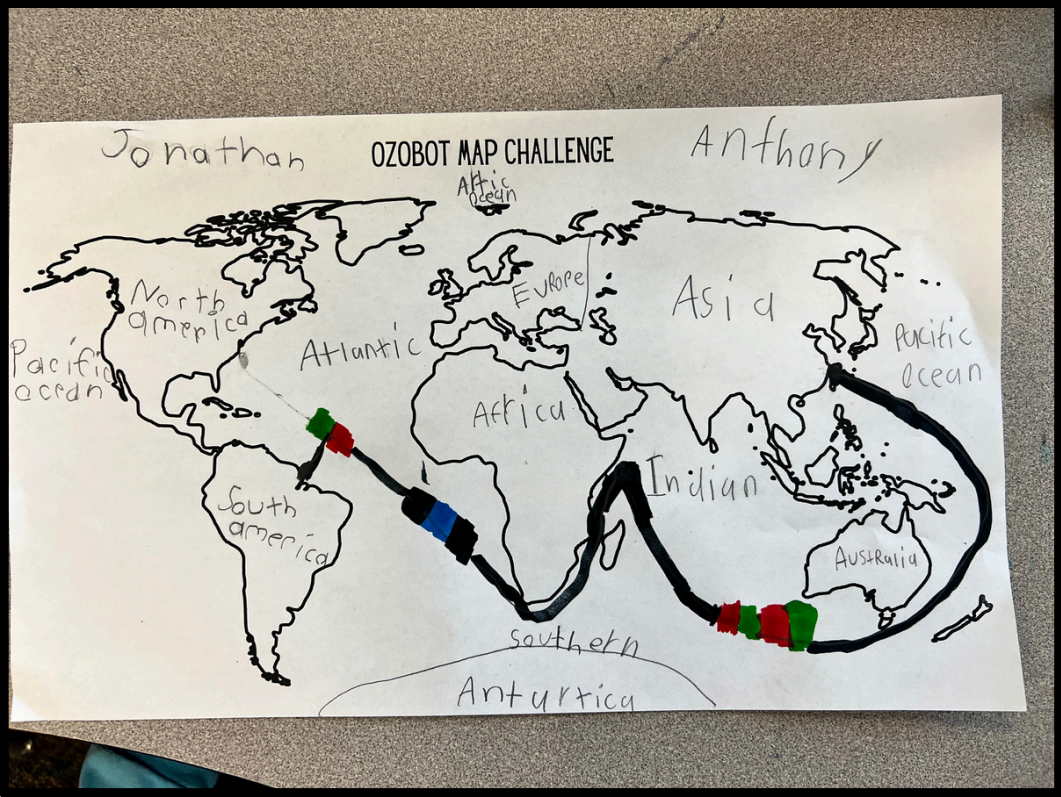# SCIENCE

Solar System (4th Grade)
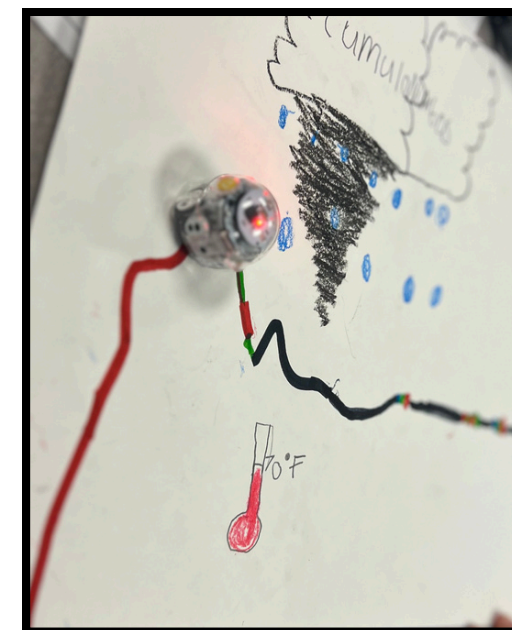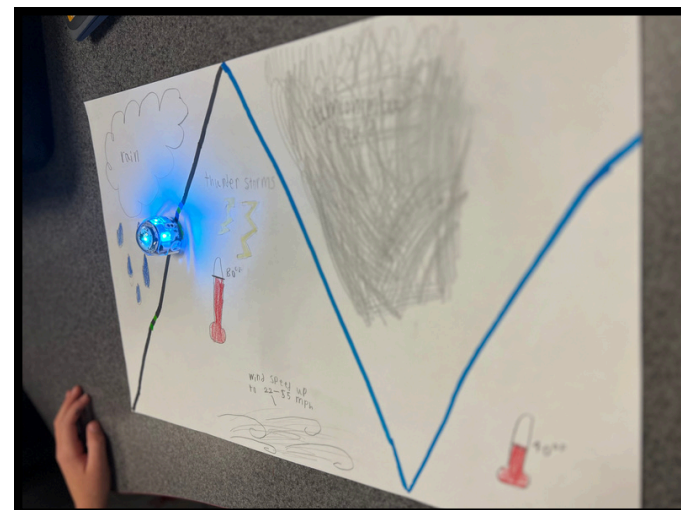
Severe storms (4th Grade)

SOCIAL STUDIES

Regions of the United States
(Midwest) – 5th Grade

SOCIAL STUDIES 🏛️

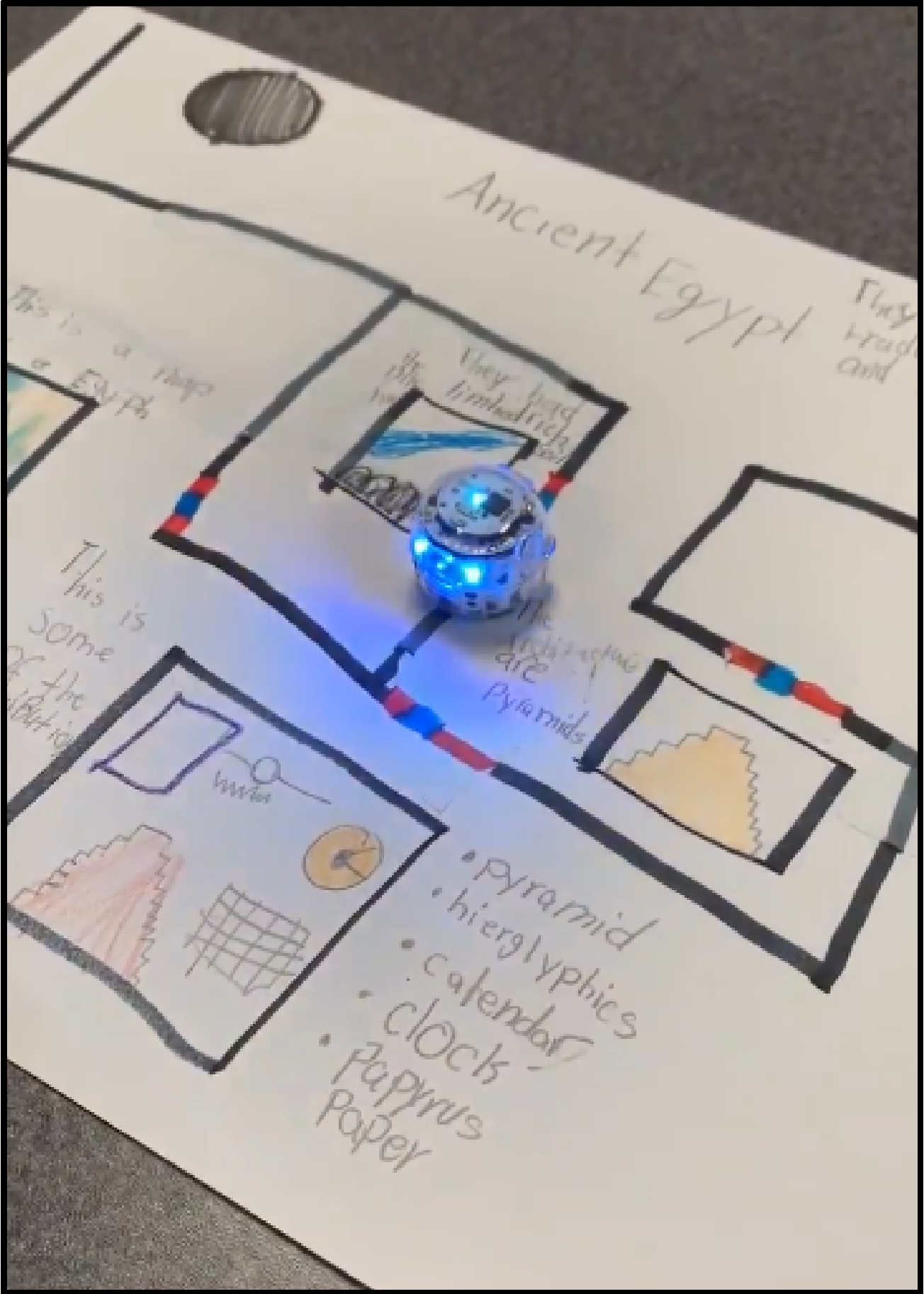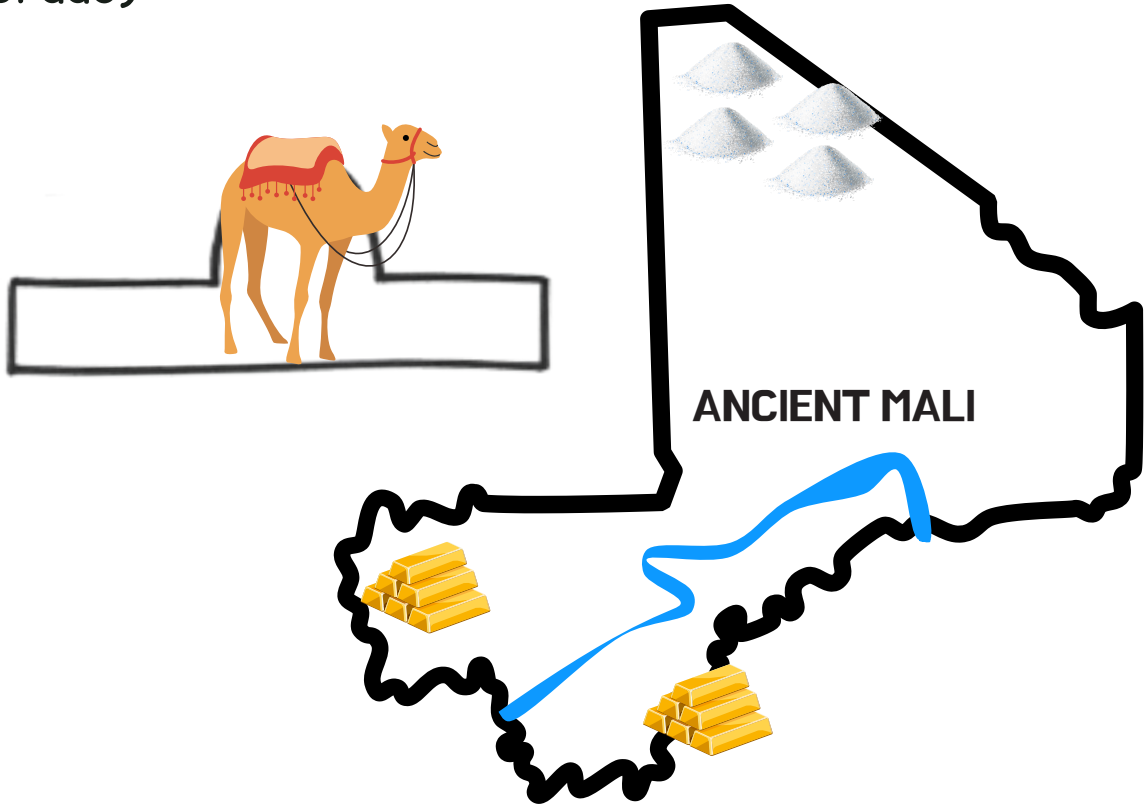Ancient Civilization Museums + Canva (3rd Grade)
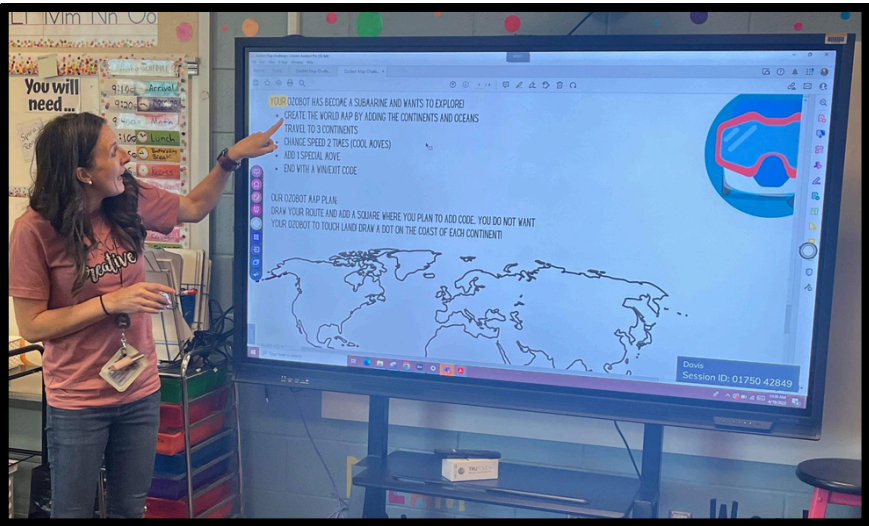
Continents and Oceans- 2nd Grade

ANCIENT MALI

Ancient Civilization Museums (3rd Grade)

LANGUAGE ARTS

A	a
B	b
C	c
D	d
E	e
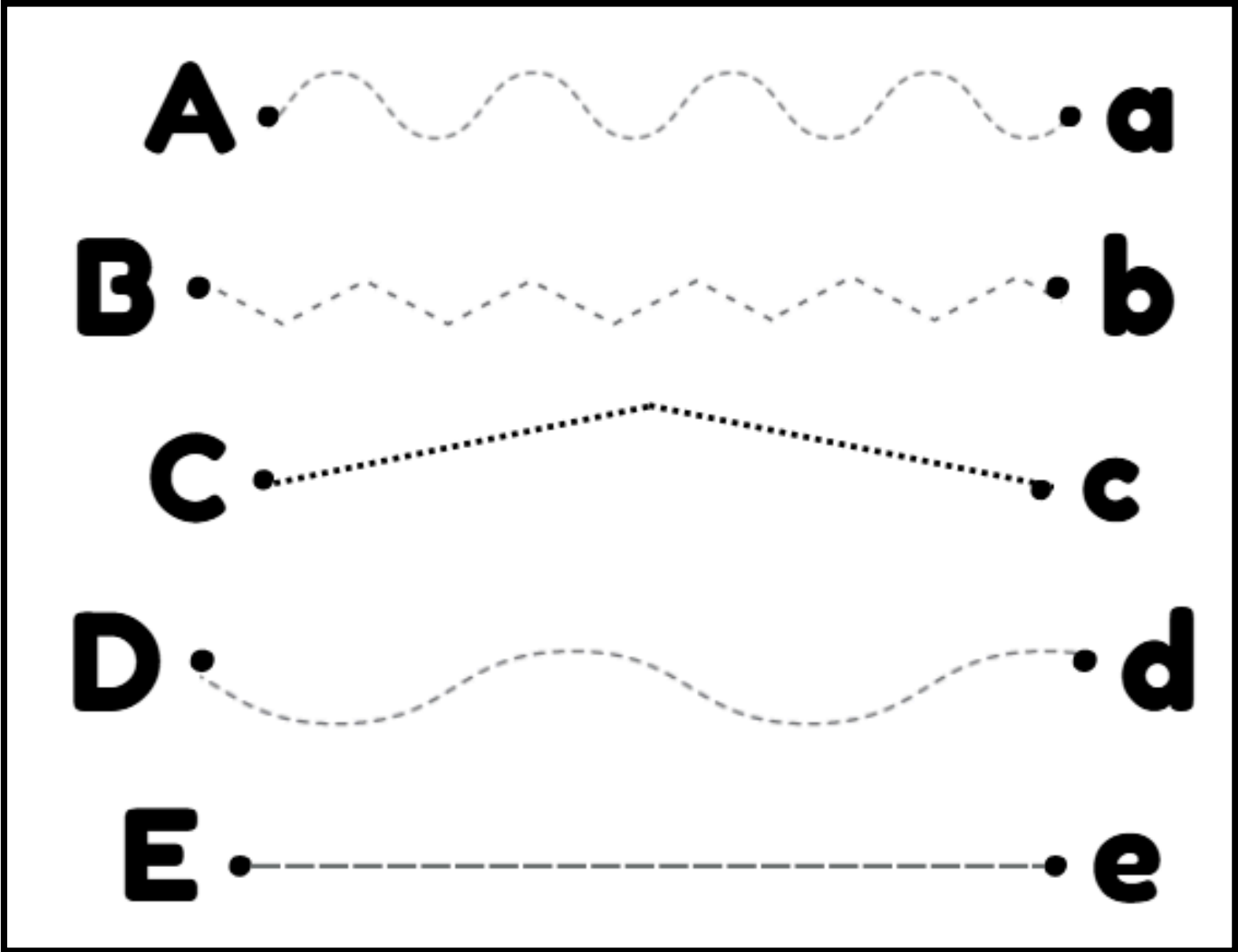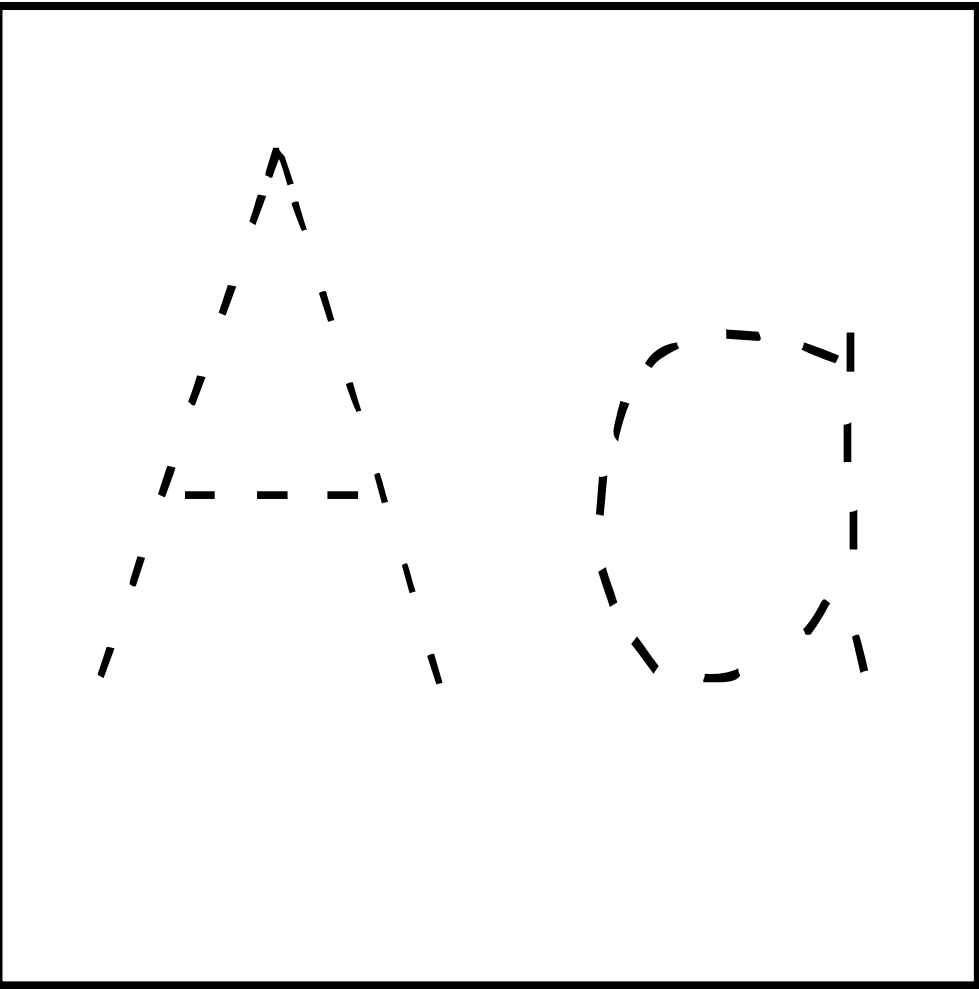
Name _____

HOW TO _____

First, _____
_____

Next, _____
_____

Then, _____
_____

Finally, _____
_____

LANGUAGE ARTS

BOOK REVIEW

Title:

Author:

Setting:

Favorite Part
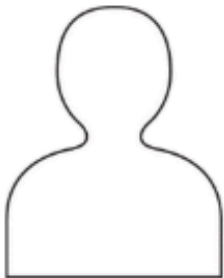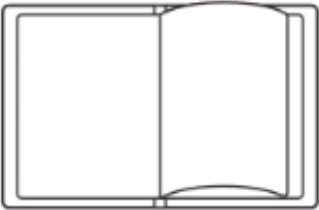
Characters:

Star Rating:
☆☆☆☆☆

Middle

Beginning

End
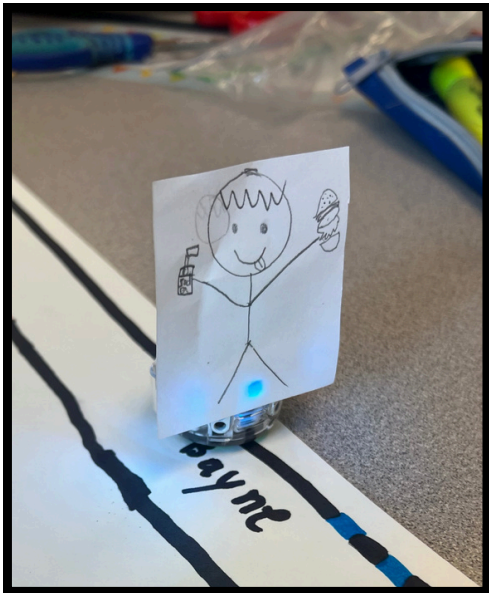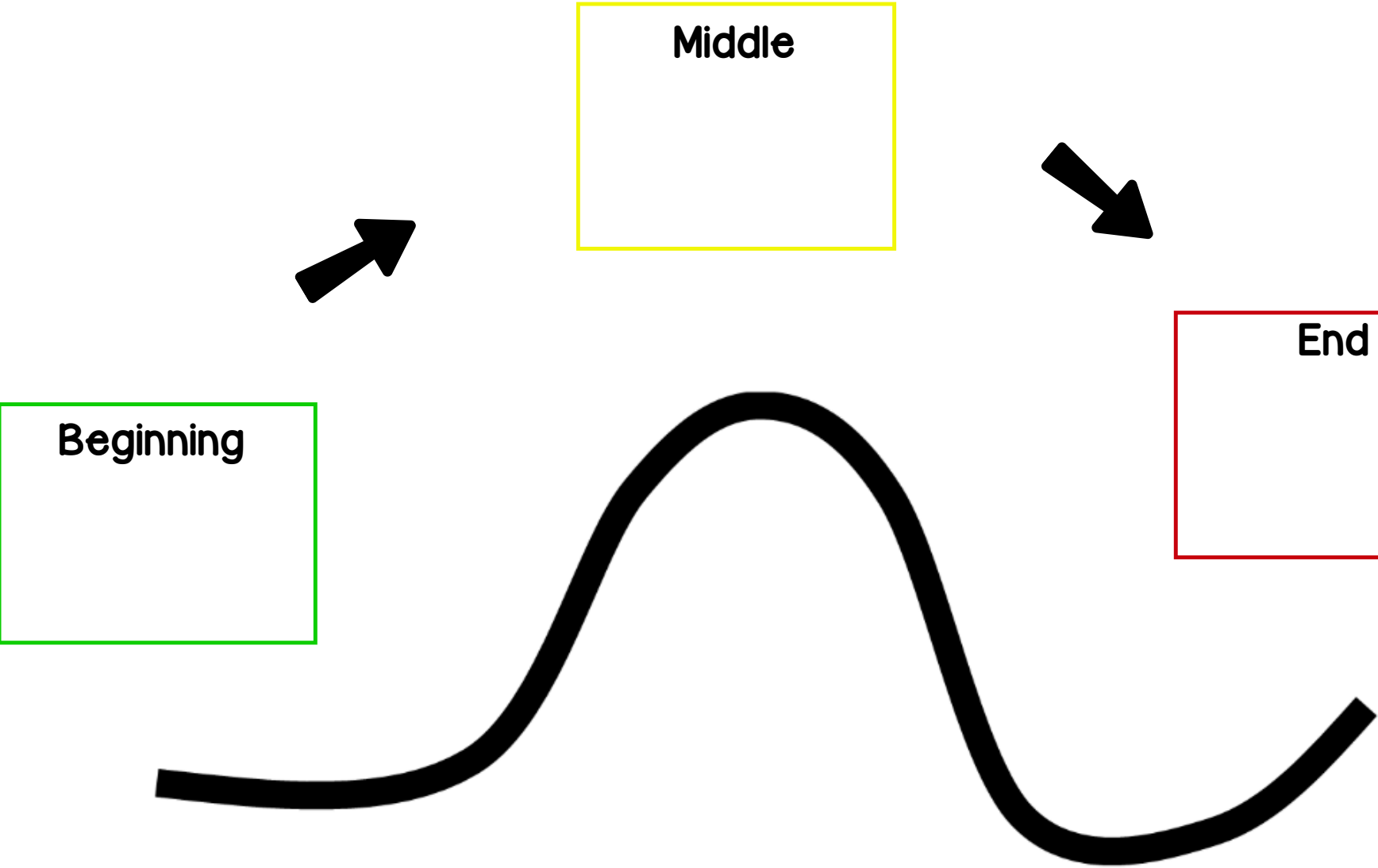
OZOBOT BUCKETS

- Sets of markers (red, blue, black and green)

- Post It Notes/white labels

- Printed Code sheets

- Preprinted code stickers or code boxes

- Replacement markers

- White paper

Q & A