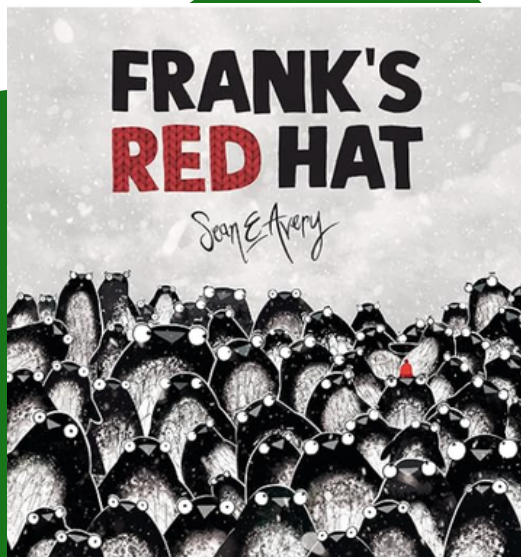


3D Pens

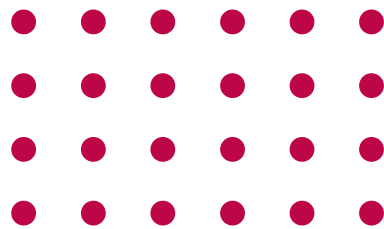
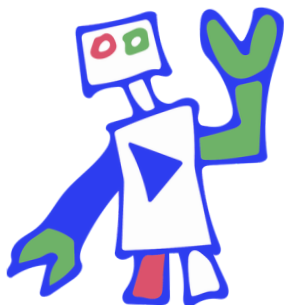
INNOVATIVE DESIGNER



*Make
& Take*



**Create a 2D Penguin
or try a 3D hat!**



KBA inspiration: *Frank's Red Hat*

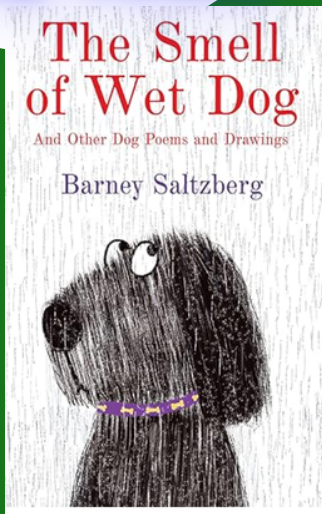


Make a Button

CREATIVE COMMUNICATOR



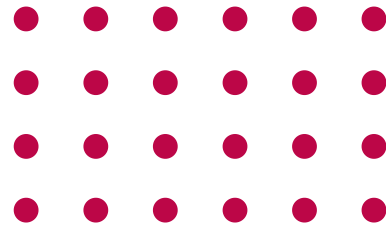
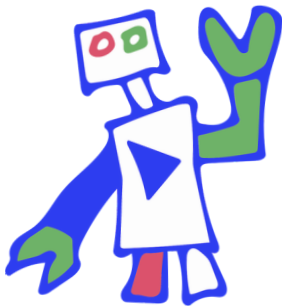
Make & Take



Leave the outer edge blank



Do not cut out the circle by hand!



KBA inspiration: The Smell of Wet Dog

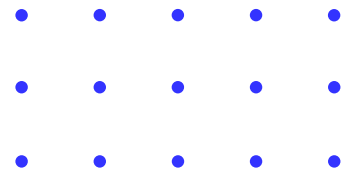


Write a poem about your favorite animal and turn it into a button.



Haiku Structure Rules:

- Line 1: 5 syllables (often sets the scene)
- Line 2: 7 syllables (often features action or imagery)
- Line 3: 5 syllables (often provides a concluding image or twist)



Write a poem about your favorite animal and turn it into a button.

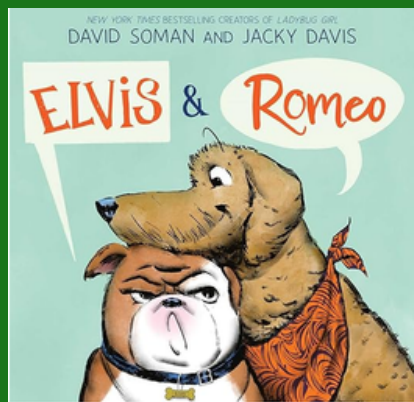


Haiku Structure Rules:

- Line 1: 5 syllables (often sets the scene)
- Line 2: 7 syllables (often features action or imagery)
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Build Challenge

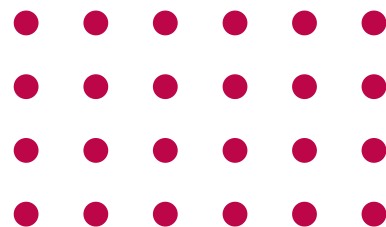
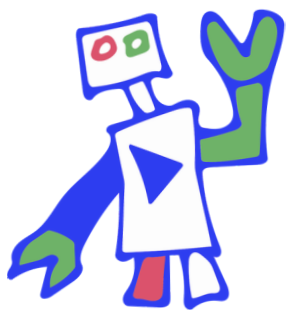
INNOVATIVE DESIGNER



Build a Dog Park where dogs can make best friends.

Group Norms:

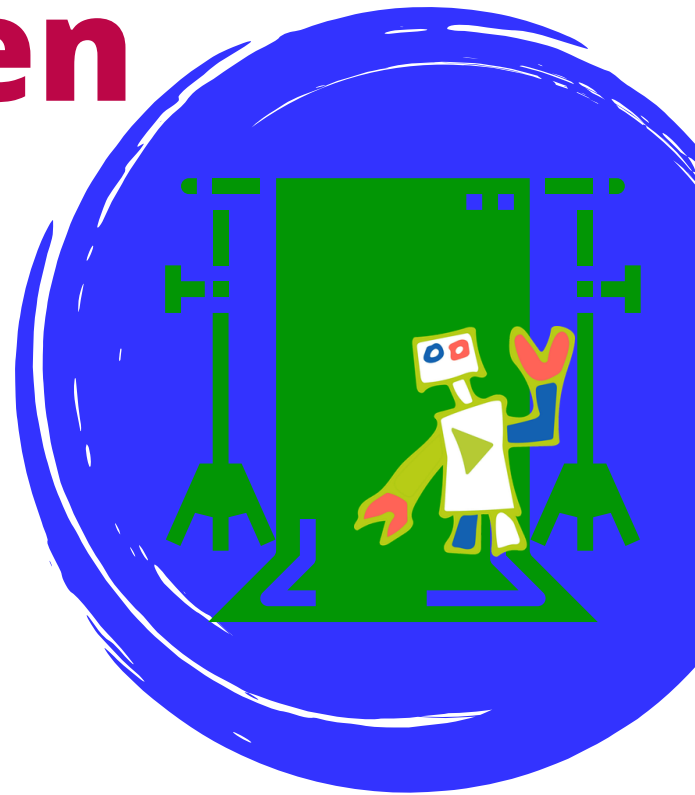
- The build belongs to everyone
- Build on, don't break down
- Be a "Yes, And" builder - if someone adds something surprising or different, get creative and build on to it.



KBA inspiration: *Elvis and Romeo*

Green Screen

CREATIVE COMMUNICATOR



DON'T
TRUST
FISH

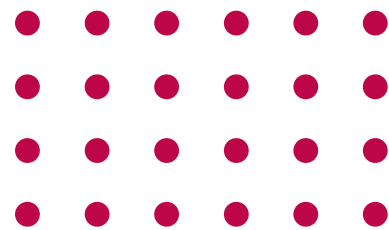
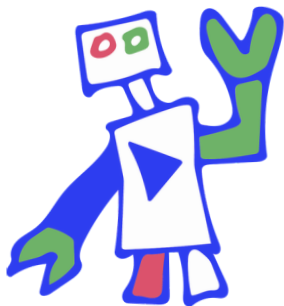


WRITTEN BY
NEIL SHARPSON

ILLUSTRATED BY CALDECOTT MEDALIST
DAN SANTAT

Start to record and react to whatever pops up on the screen OR take a group photo.

Airdrop it to an Apple Device.



APP USED: DOINK GREEN SCREEN

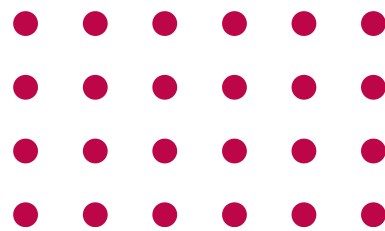
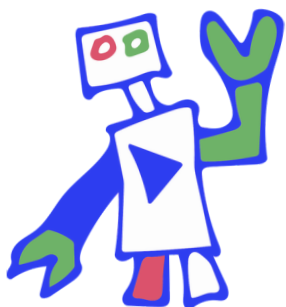
KBA inspiration: *Don't Trust Fish*

Tic-Tac-Toe

INNOVATIVE DESIGNER



Challenge a friend to a game of Tic Tac Toe!



KBA Inspiration: *Aggie and the Ghost*

Glow Ghost

INNOVATIVE DESIGNER



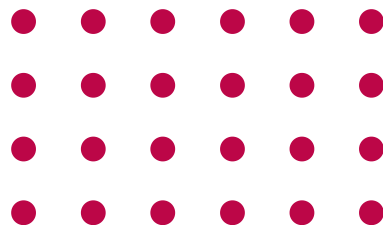
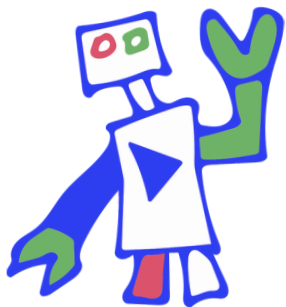
*Make
& Take*



Video Instructions for Origami Ghost



Create a ghost - it could be origami or another method of your choice - then make it light up with LED lights



KBA Inspiration: *Aggie and the Ghost*



LED LIGHTS: BASICS



- Slip the leads of the light around the battery
- the long lead is on the smooth side



LED LIGHTS: BASICS

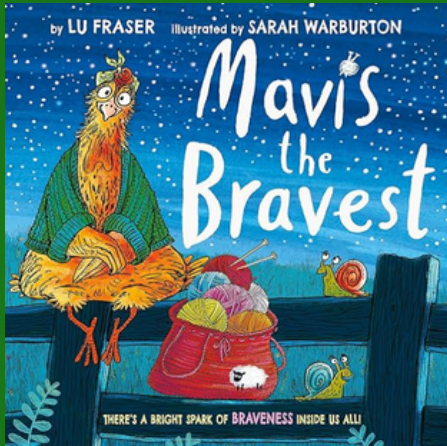


- Slip the leads of the light around the battery
- the long lead is on the smooth side



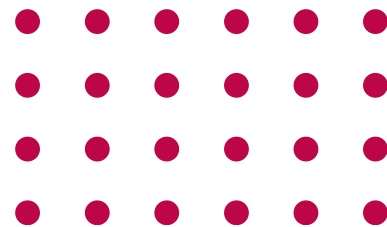
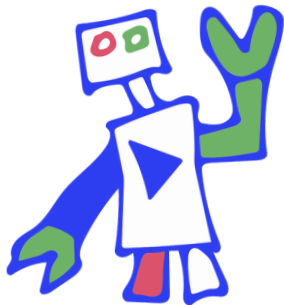
Dash Maze

COMPUTATIONAL THINKER



Mavis needs to be brave and save her sheep friend from a kidnapper.

Navigate the maze to save the sheep!

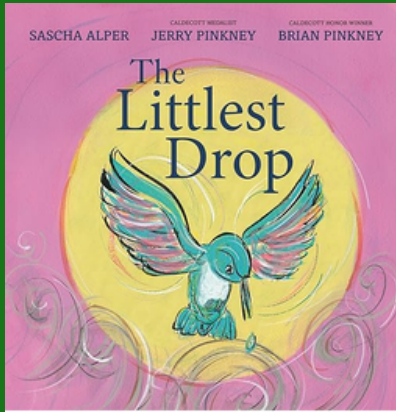


APP USED: BLOCKLY FOR DASH

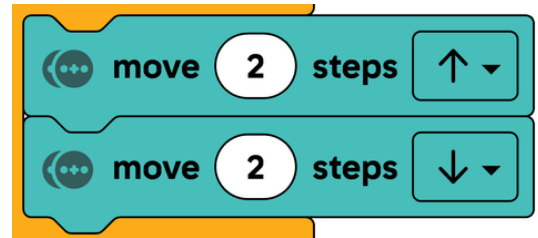
KBA Inspiration: *Mavis the Bravest*

LEGO Computer Science & AI

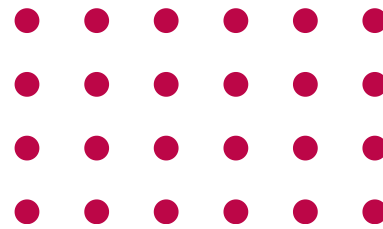
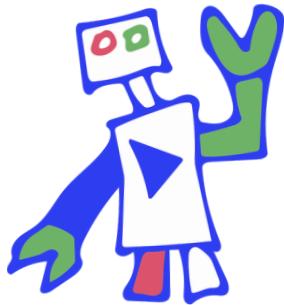
COMPUTATIONAL THINKER



The hummingbird needs to put out a fire. Begin by writing a program that goes back and forth.



Try using a loop.
Can you add a turn?

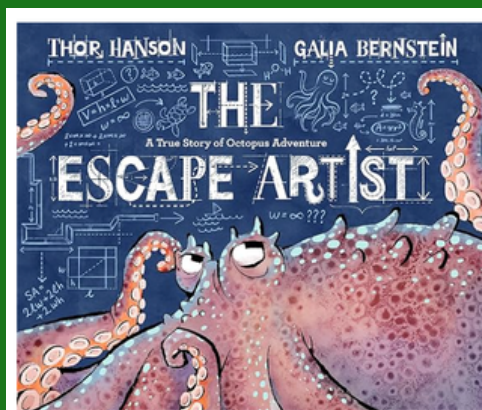


APP USED: LEGO CODING CANVAS

KBA Inspiration: *The Littlest Drop*

Ozobot Ocean Explorer

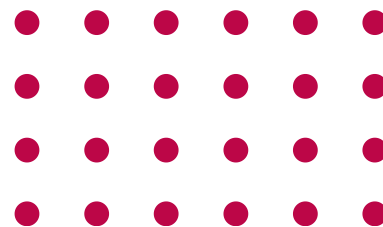
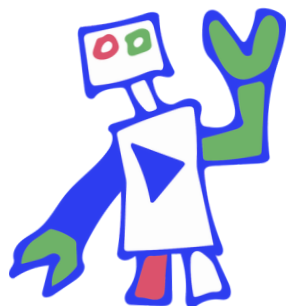
COMPUTATIONAL THINKER



You are an octopus that just escaped from captivity.

Now, explore the ocean.

Line follow - make a line drawing of an octopus and get the ozobot to follow it.



APP USED: LEGO CODING CANVAS

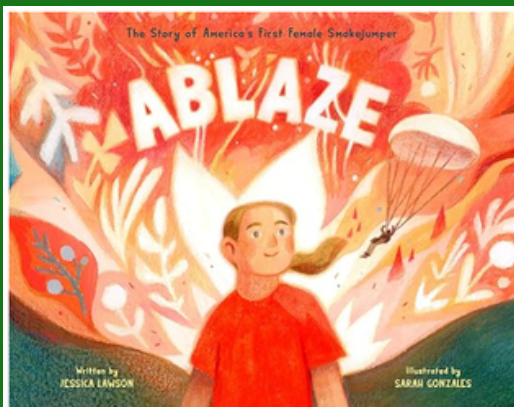
KBA Inspiration: *The Escape Artist*

Parachute Challenge

INNOVATIVE DESIGNER



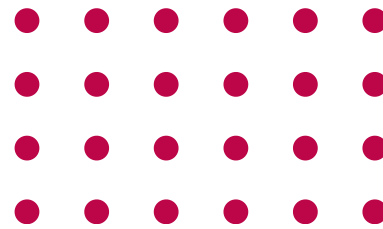
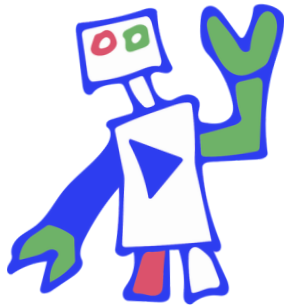
Make & Take



Use your 3D printed figure and add a parachute with the materials supplied.

Drops start at 11:00

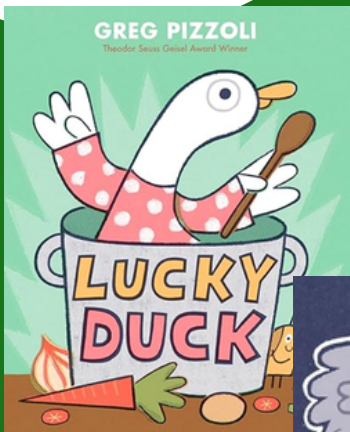
Don't have a 3D printed figure? Design something with the materials we have.



KBA Inspiration: *Ablaze*

Chain Reaction Machine

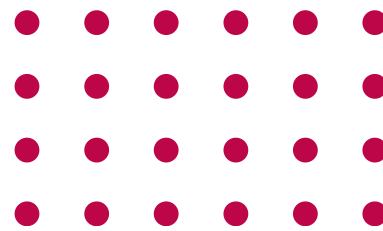
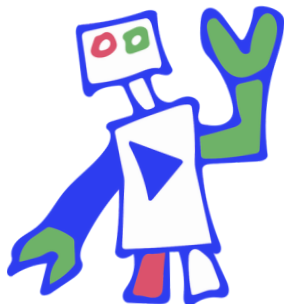
INNOVATIVE DESIGNER



Save Duck!

Use the materials in the box to create a chain reaction that will knock an object through the door.

Try to use all the materials: a Marble, car, Keva planks, Legos



KBA Inspiration: *Lucky Duck*