

A decorative graphic in the top right corner consisting of a thick blue curved line with orange rectangular segments along its inner edge.

AI INVENTORS NOTEBOOK

Names of all family members:

Location:



Directions: Use your AI Inventor Notebook for each session to record your family's ideas.

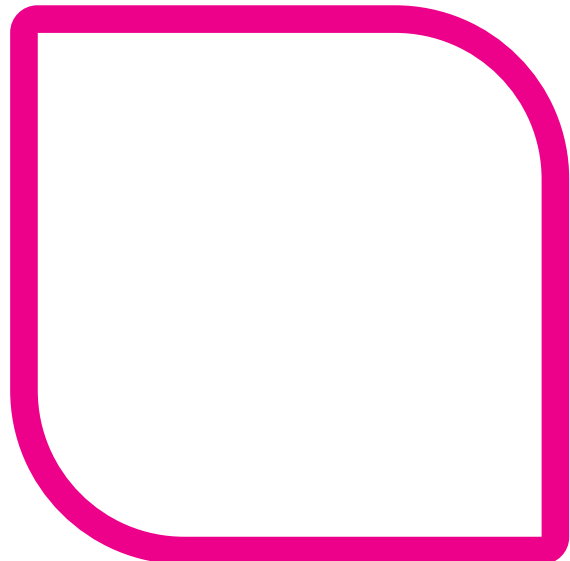
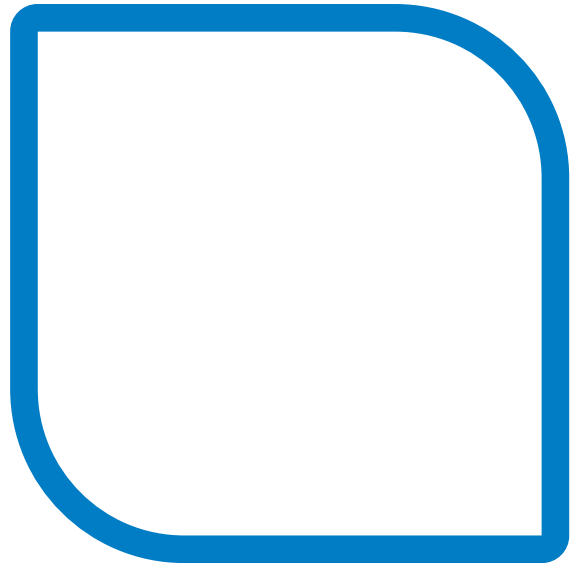
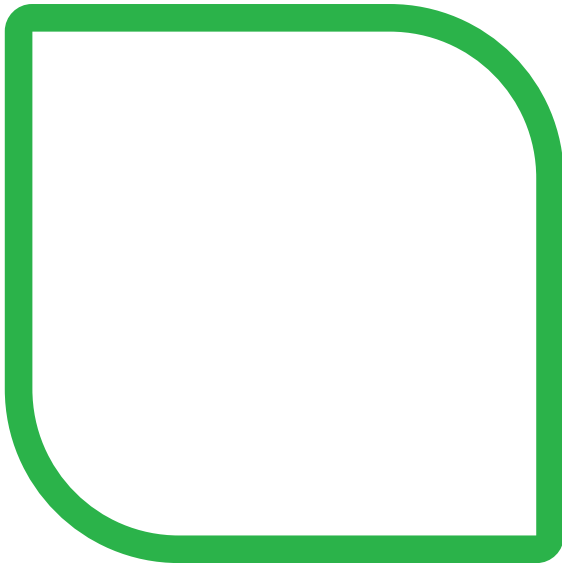
SESSION

1

In the boxes below, draw a comic that tells a story with words and pictures.

It could be about...

- One big thing you all learned
- Something that surprised everyone
- Our favorite thing we learned
- What we want to discover next...



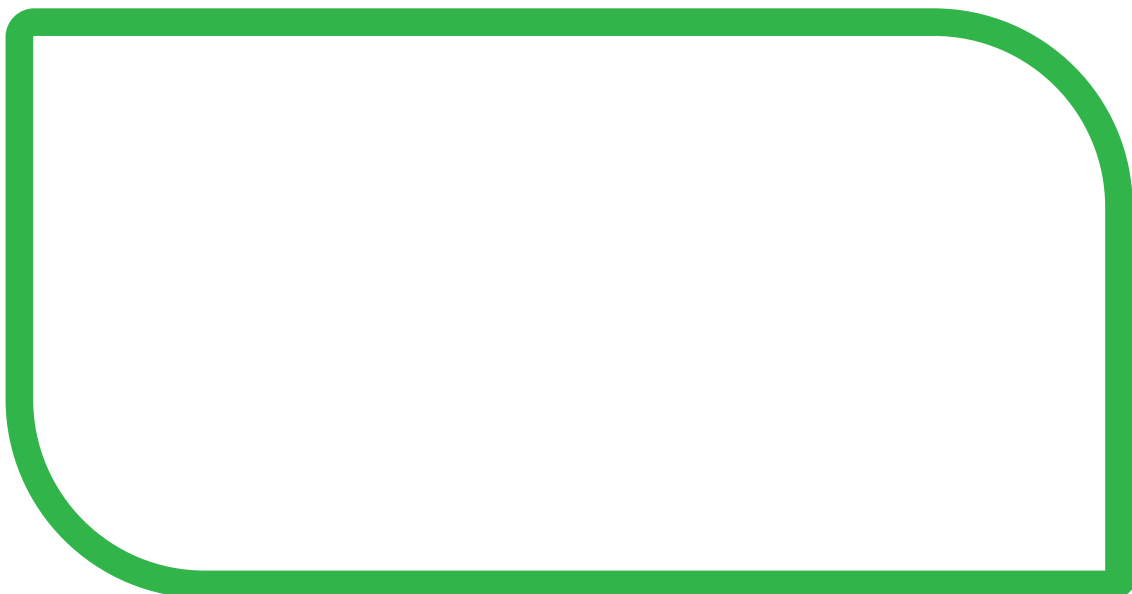
SESSION

2

Do you have an idea for an AI invention that would use sensors to gather information and find patterns? Write some quick words or draw some pictures.



Can you think of a way that an AI agent could use images to solve a community problem?
Write some quick words or draw some pictures.



SESSION
3

Make a list of four things that surprise you about AI or data.

A.



B.



C.



D.



SESSION

4

Do you have an idea for an AI invention that would use sound, text or number data to achieve a goal? Write some words or draw a picture.

A large green rounded rectangle frame, intended for a student to draw a picture or write words related to their AI invention idea.

SESSION

5

What is the goal for your AI invention?

Why are you excited?

What does this problem look like?

What are some statistics about the problem?

Make a list of what you still need to learn or research before you build your invention

- _____
- _____
- _____

SESSION

6

Draw your paper prototype. Be sure to add different parts and labels for how your invention uses data, makes decisions, and takes actions.



How will your invention gather or use data to make decisions?

What decisions will your invention make?

What actions do you want your Invention to take?

Make a list of the materials you will need.

Will you need a sensor or other output materials?

Yes ☐ No ☐

If yes, what kind? _____

Remember, if you're using a sensor or other output materials you might also need a Raspberry Pi or Microbit.

Invention Facts

Logo: _____

Invention Name: _____

Write three keywords that describe your invention.

- _____
- _____
- _____

Data Description:

What is your data? _____

Categories for data:

What decisions is your invention making? _____

Data source:

Where is your data from? _____

Data type:

What kind of data is it? _____

SESSION

8

How do you want to improve your invention?

SESSION

9

Directions: Create a survey of feedback you'd like to gather about your invention.

Write at least 2 questions below:

A. _____

B. _____

Now let's think about your pitch video!

What is one quote you want to be sure to add to your video to help judges understand your excitement?

Tip: You can use your thoughts in this notebook to show what you learned.

Directions: Create your pitch video storyboard below.

Use the boxes to plan the visuals and the lines underneath to plan what you will say.

SESSION

9

Your video will have

- a hook
- explain the problem
- describe your solution
- Show how you'll improve and share with your community

Hook

15 seconds

1.

2.

Explain the problem

60 seconds

1.

2.

1.

2.

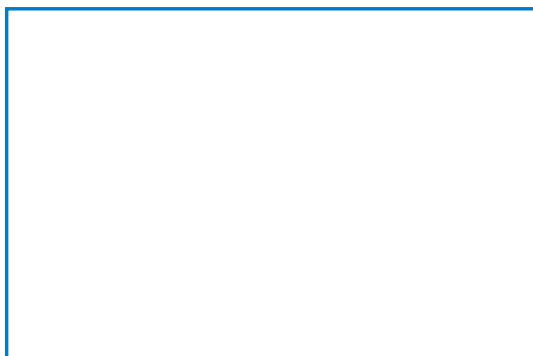
1.

2.



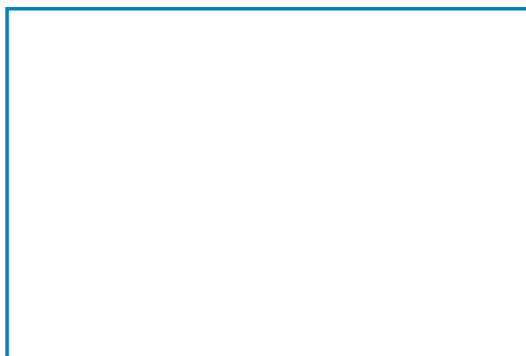
Tell us how your invention solves the problem. .

60 – 90 seconds



1.

2.

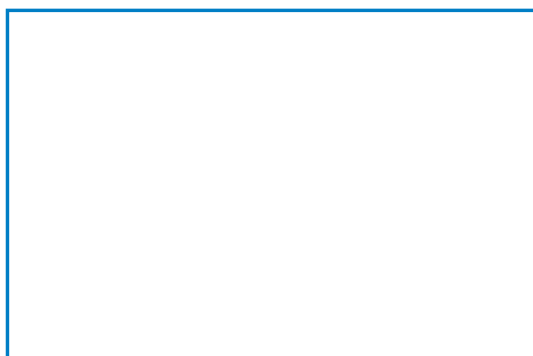


1.

2.

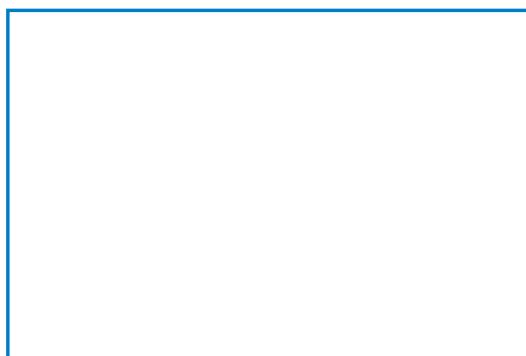
Plan for improving and sharing

30 seconds



1.

2.



1.

2.

SESSION
10

You did it!! What are you really proud of?

