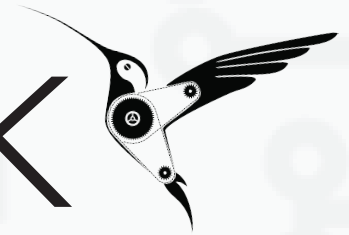


MAKEATHON DESIGN NOTEBOOK



ROBOT PETTING ZOO

THIS NOTEBOOK BELONGS TO:

MY STEM TEACHER IS:

ASK

*What's the problem?
Define constraints.*

IMPROVE

Make it better!

IMAGINE

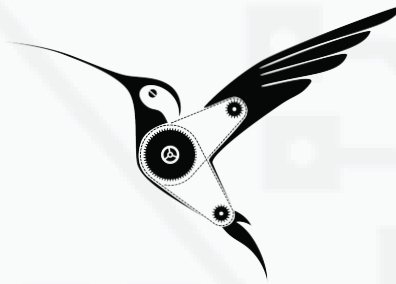
*Brainstorm!
Choose a solution.*

CREATE

*Make it!
Try it out.*

PLAN

*Draw it!
Make a materials list.*





ASK

STEP 1: What are you trying to do?

What do you want your robot to look like?

How do you want your robot to move?

What do you want your robot to be able to do?



UNDERSTAND

STEP 2: ?

What are your criteria for success?
How will you decide if the robot meets your goals?

What constraints limit your design?

Assignment Requirements:

Materials:

Time:

Other:



PLAN

STEP 3: Brainstorm Solutions

Brainstorm, sketch and/or list your ideas for making a robot to meet these goals:



CREATE

STEP 4: Create Design-Robot Plan

What will your robot look like? What materials will you need?



IMPROVE

STEP 5: Select Approach

What will your robot look like? What materials will you need?

What are the pros and cons of the designs?