DESIGN PROCESS

ASK
What’s the problem?

UNDERSTAND
Define the problem.

PLAN
Brainstorm!

CREATE
Make it!

IMPROVE
Make it better!
ASK

STEP 1: WHAT ARE YOU TRYING TO DO?

What do you want your robot to look like?

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

Do you have any other goals for your robot?
STEP 2: DEFINE THE PROBLEM

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:
Brainstorm, sketch, and/or list your ideas for making a robot to meet these goals:
STEP 4: CREATE DESIGN-ROBOT PLAN

What will your robot look like?
What materials will you need?
How can you improve your design?