

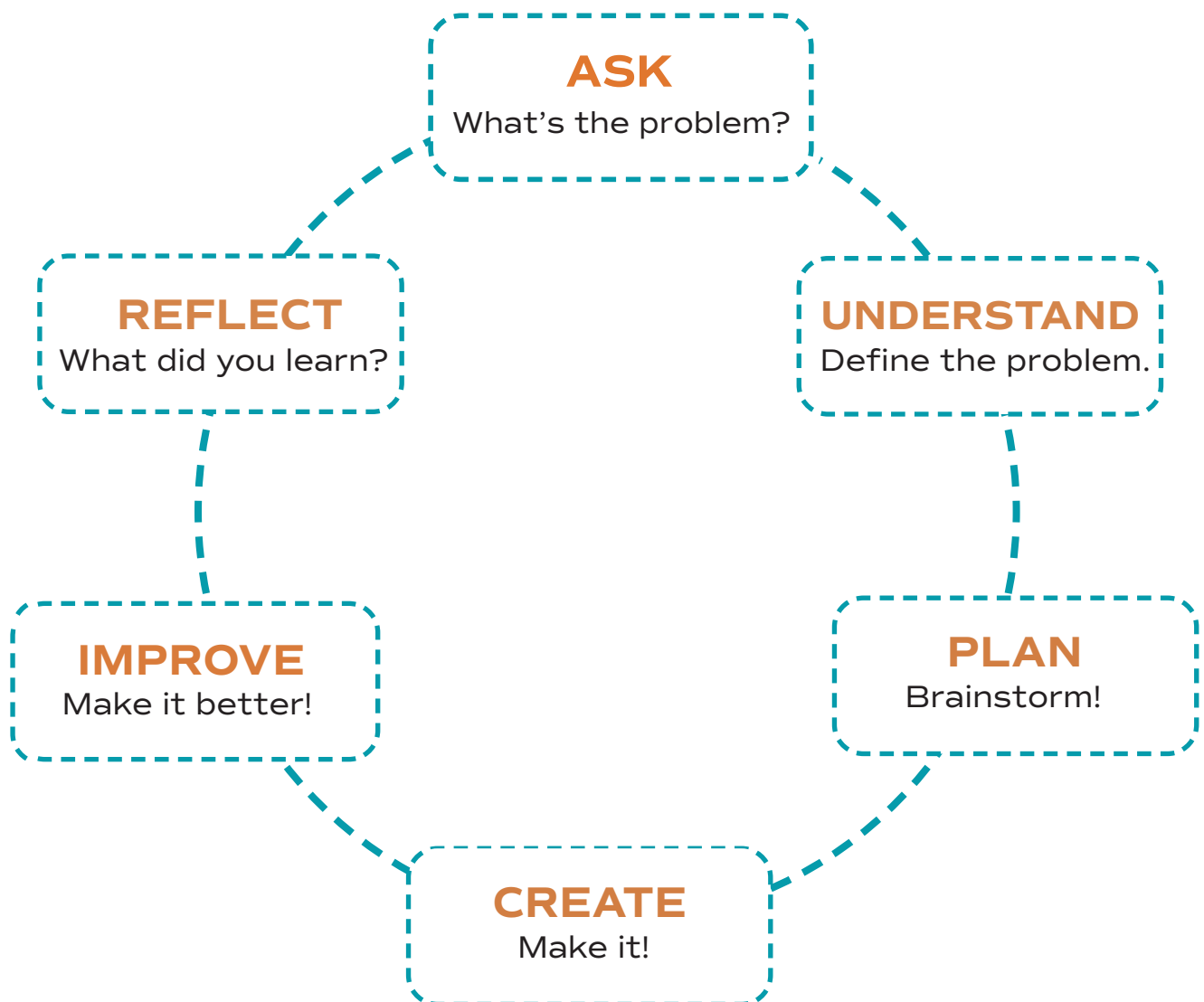


ENGINEERING DESIGN NOTEBOOK

THIS NOTEBOOK BELONGS TO:

DATE:

THE ENGINEERING DESIGN PROCESS



ASK

STEP 1: WHAT ARE YOU TRYING TO DO?

What do you want your build to look like?

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

Do you have any other goals for your build?

UNDERSTAND

STEP 2: DEFINE THE PROBLEM

What are your criteria for success? How will you decide if the build 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 build to meet these goals:

CREATE

STEP 4: CREATE YOUR BUILD PLAN

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

IMPROVE

STEP 5: MAKE IT BETTER!

How can you improve your design?

REFLECT

STEP 6: WHAT DID YOU LEARN ?

What challenges did you discover during your project?

What part of your project did you really like and why?

What would you do differently next time?