ENGINEERING DESIGN PROCESS

STEM

ASK
What is the challenge?
Are there requirements or limitations?
What do we know already?

IMAGINE
Brainstorm possible solutions
Consider design options

IMPROVE
Study test results. Modify design to make it better. Test it out again.

PLAN
Choose the best design. Draw a picture.

CREATE
Build solution based on plan. TEST it out.

K20CENTER
The University of Oklahoma