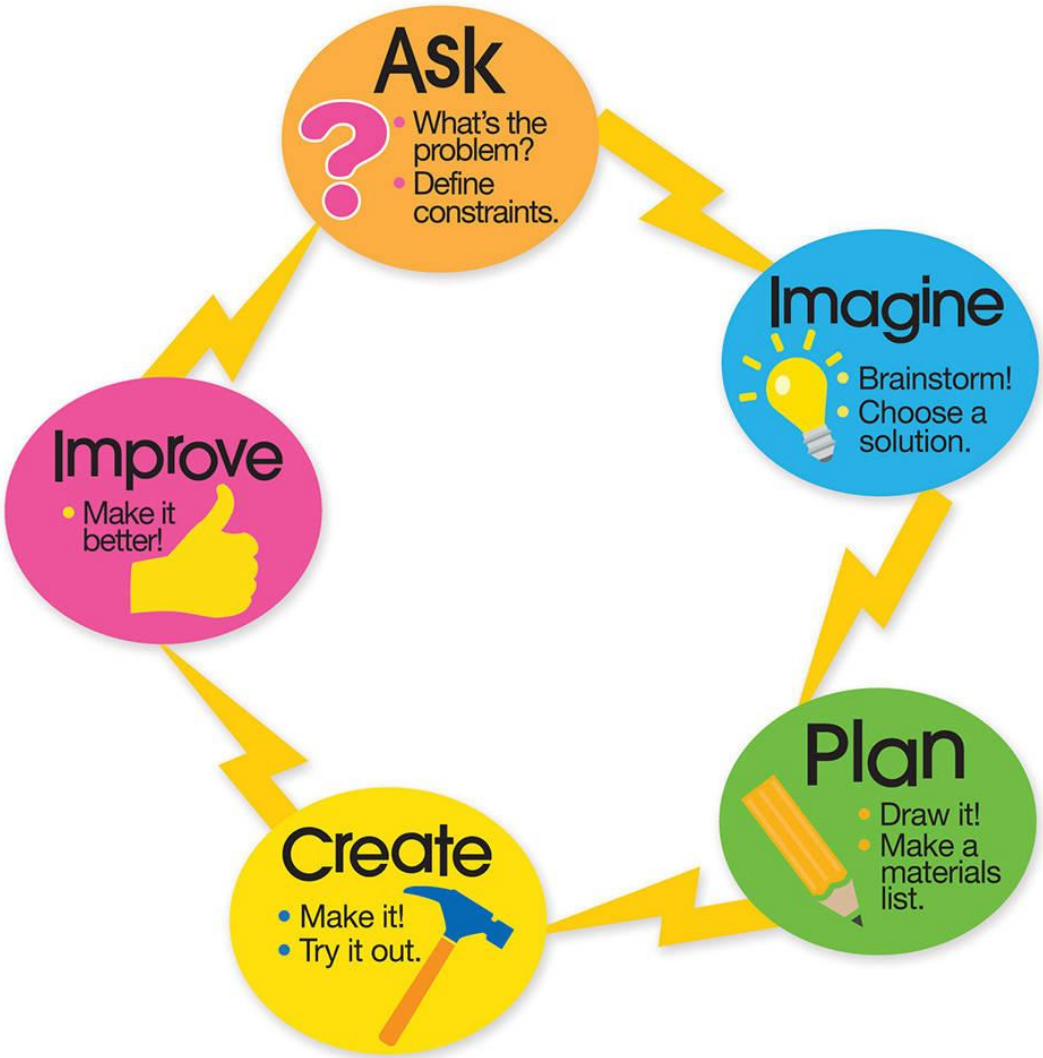
TECH TOOLS TO SUPPORT THE ENGINEERING DESIGN PROCESS

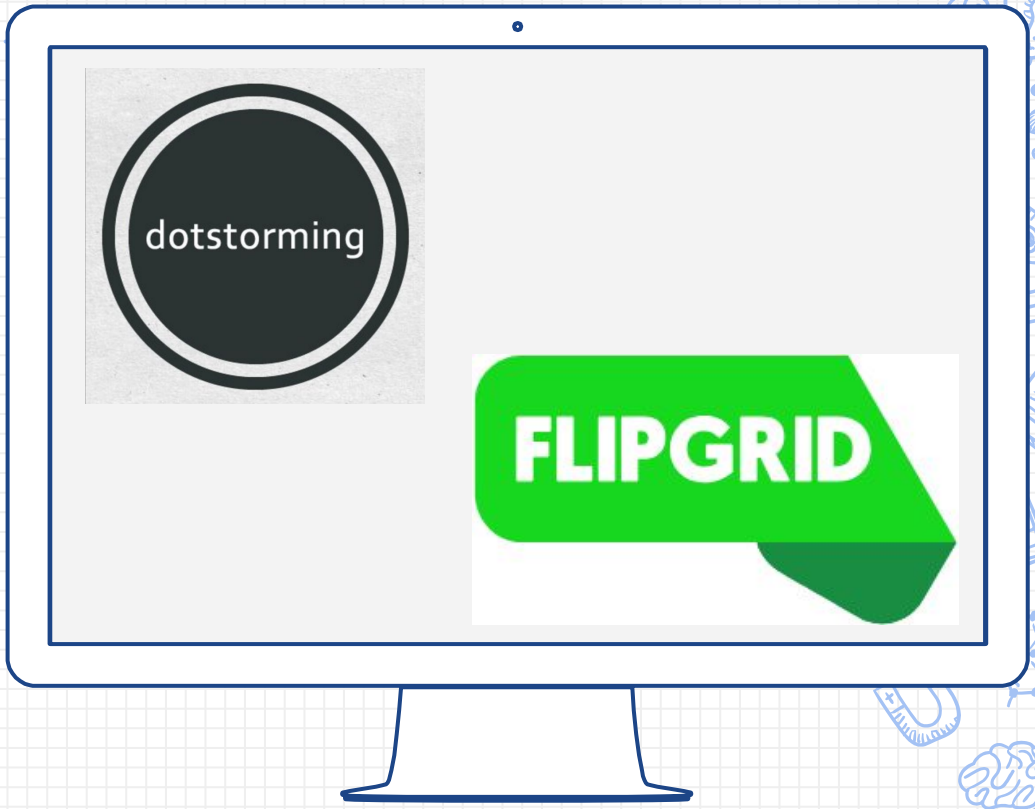
WHAT IS THE EDP?

- ✘ A series of steps to come up with a solution to a problem/complete a task
- ✘ Emphasizes open ended problem solving
- ✘ Encourages students to learn from their failures
- ✘ Encourages critical thinking, reflection, and innovation


Ask
What's the problem?
Define constraints.
Imagine
Brainstorm!
Choose a solution.
Plan
Draw it!
Make a materials list.
Create
Make it!
Try it out.
Improve
Make it better!

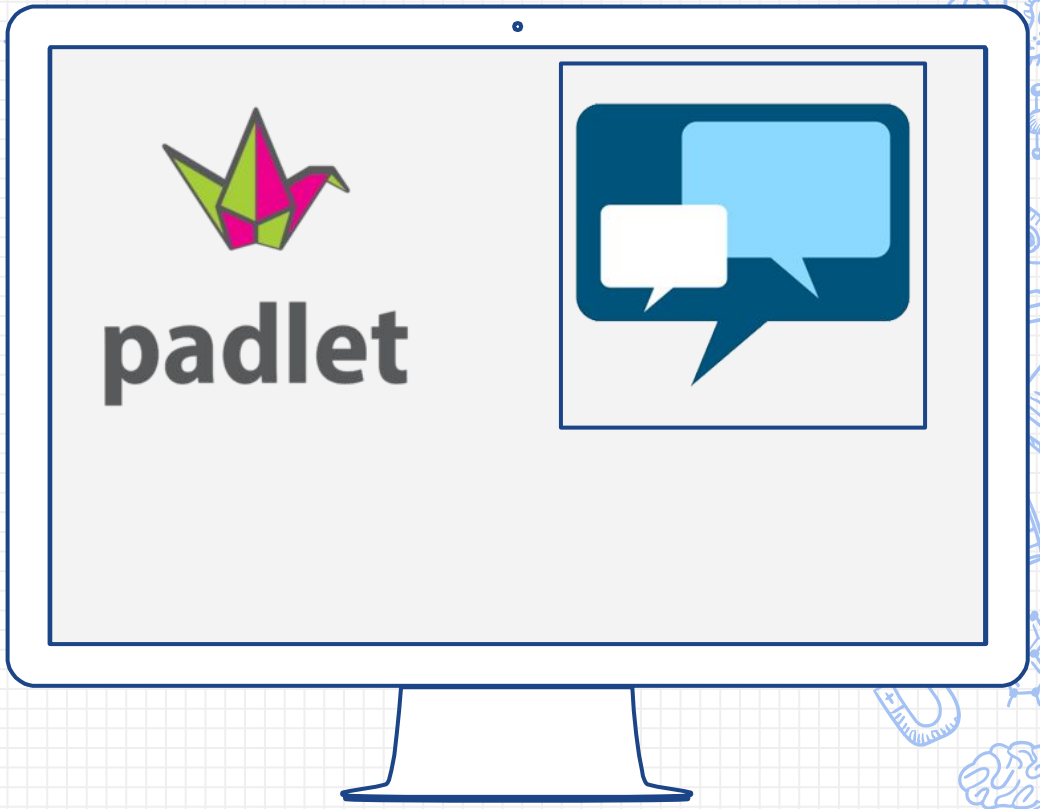
ASK

- ✘ What's the problem?
- ✘ What's the task?
- ✘ What questions do I have?
- ✘ What do I need to know?
- ✘ What are my guidelines?



IMAGINE

- ✘ Brainstorm ways to address the problem/tasks
- ✘ Collaborative is a great idea!
- ✘ Also think about which “tool” to use

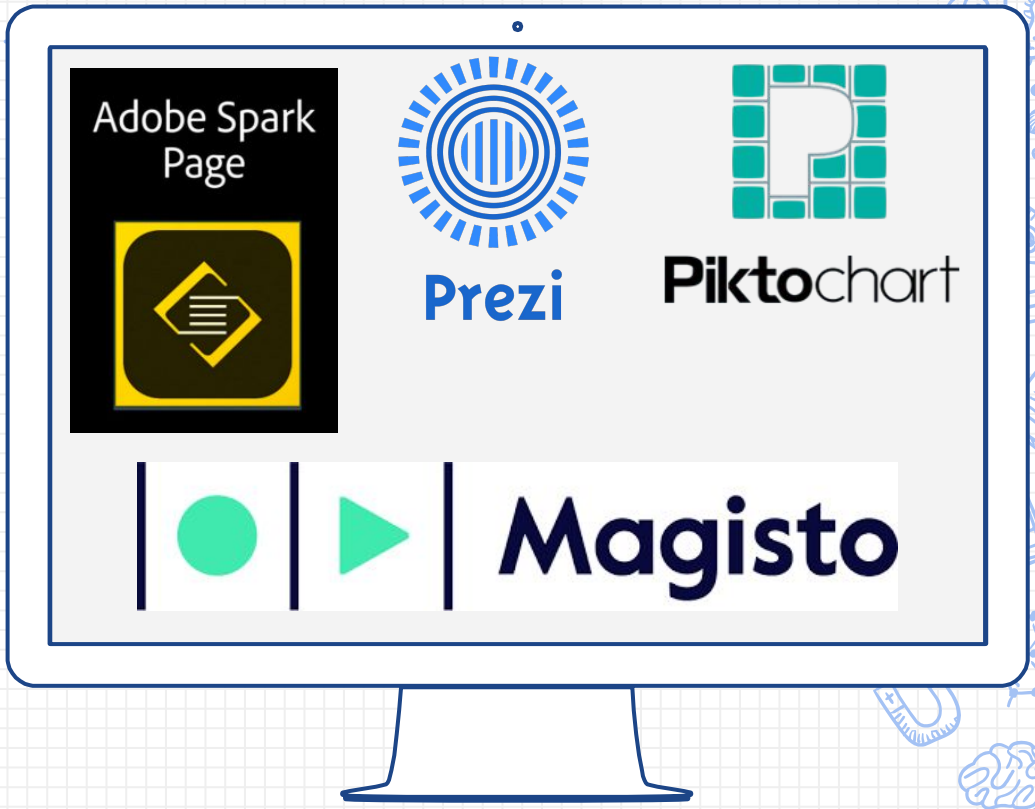


PLAN

- ✘ Make a step by step plan on how to achieve your solution
- ✘ Draw a diagram
- ✘ Create an outline

CREATE

- Create your solution
  - Videos
  - Presentations
  - Infographics
  - Content Collections



Improve

- ✘ Share your solution and get feedback
- ✘ Revise your solution if needed

YOUR CHALLENGE FOR NEXT WEEK.....

Pick a tool and try it!
(and Tweet it)

@winterboro_high
#exceptional
#techin_____ (your content)
@_____ (the tool)