

NAME: \_\_\_\_\_

# STEM JOURNAL



## ASK



### DIRECTIONS:

1. What is the problem you're trying to solve?

Blank writing area for the 'ASK' step, featuring a spiral notebook icon at the top left and three horizontal lines for writing.



## IMAGINE

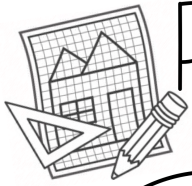


### DIRECTIONS:

1. Imagine the BEST way to solve the problem.
2. What materials do you think would work best to solve the problem?
3. What potential problems could come up?

[Quickly] sketch out a few different designs and brainstorm a list of ideas (you may use the lines to jot down thoughts to answer questions listed in the above directions).

Blank writing area for the 'IMAGINE' step, featuring four horizontal lines for sketching and brainstorming ideas.



# PLAN + DESIGN

## DIRECTIONS:

1. Draw your prototype/design
2. Label the parts of your design
3. Label + highlight the MATERIAL used for each part.

With your group, [quickly] sketch out your plan to solve the problem.  
Make sure to follow all parts of the directions listed above.



# CREATE + TEST



## DIRECTIONS:

1. Follow your plan to build your design.
2. TEST it out

DID IT WORK??



WHY or  
WHY NOT?



# IMPROVE IT!

1. What worked WELL?
2. What did NOT work?
3. How can you change your design to make it BETTER next time?