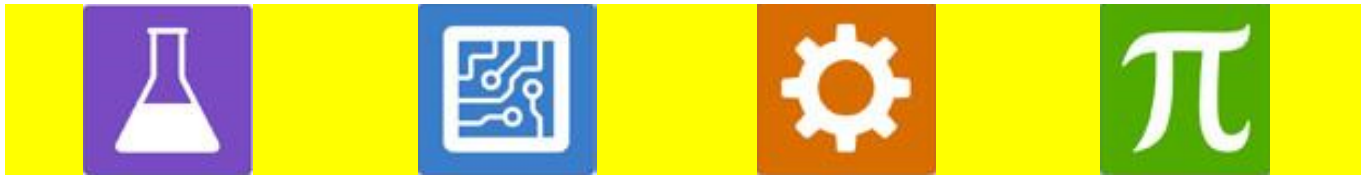


# STEM STUDENT PACKET



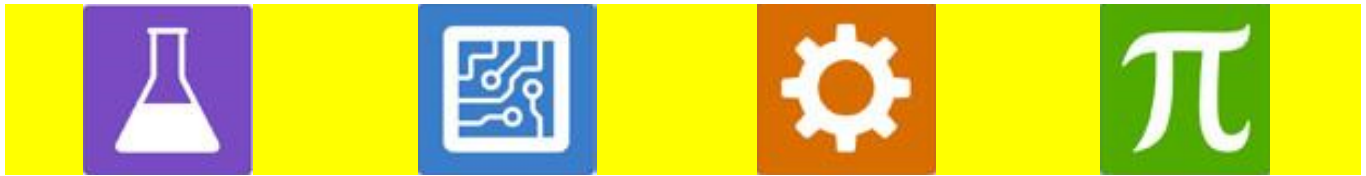
NAME \_\_\_\_\_

SECTION \_\_\_\_\_



# STEM Vocabulary

*\*Add key vocabulary and images here*



**STEM-** *\*project title*

**Building Background Knowledge**

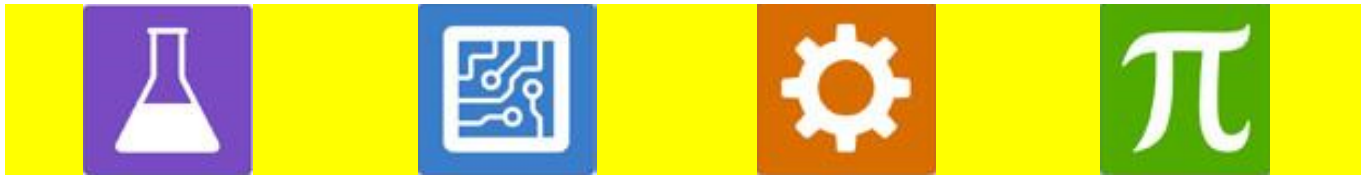
**Working Packet**

**Directions:** *\* For example: Instruct students to watch video, read article, etc. and then respond by answering questions.*

**Respond**

1.

2.



**STEM-** *\*project title*

**Research**

**Working Packet**

**Group #** \_\_\_\_\_

**Section:** \_\_\_\_\_

**Student Name:** \_\_\_\_\_

**Partner's Name:** \_\_\_\_\_

**Challenge:**

### **Research**

(Sources: **Science Notebook, Elevate Science Textbook, and/or Discovery Education.** Note the **sources** you used, including **page numbers, titles, and/or links** in the provided space below.)



Group # \_\_\_\_\_

Section: \_\_\_\_\_

Student Name: \_\_\_\_\_

Partner's Name: \_\_\_\_\_  
\_\_\_\_\_

**Give your project a title:**

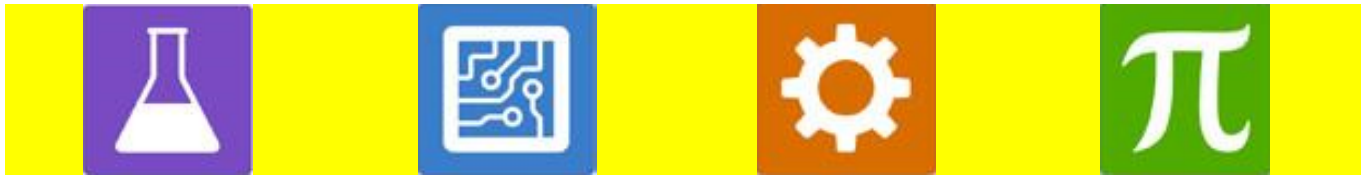
\_\_\_\_\_

### **Design the Prototype**

(Create a labeled diagram of your prototype.)

#### **Materials**

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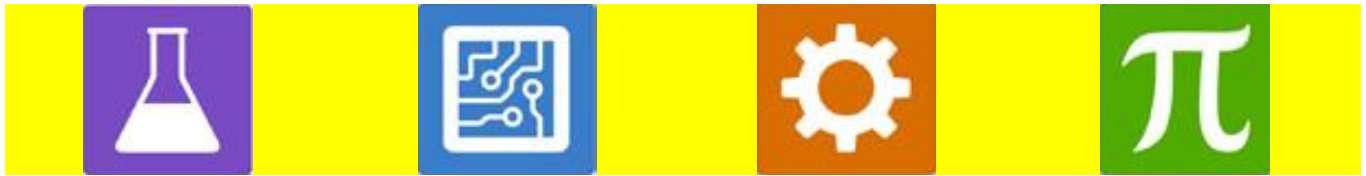
**Group #** \_\_\_\_\_

**Section:** \_\_\_\_\_

**Student Name:** \_\_\_\_\_

**Partner's Name:** \_\_\_\_\_  
\_\_\_\_\_

**Test your Prototype - Collect your Data**



Group # \_\_\_\_\_

Section: \_\_\_\_\_

Student Name: \_\_\_\_\_

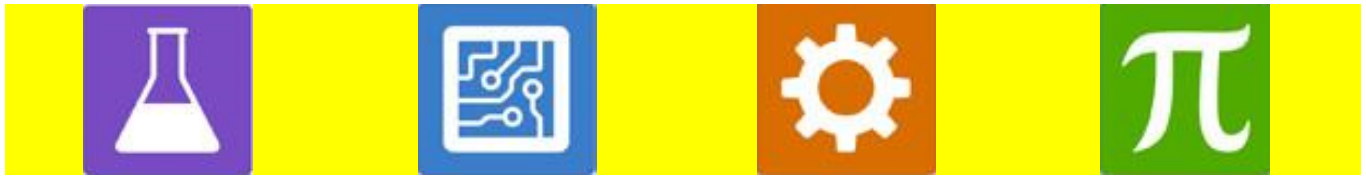
Partner's Name: \_\_\_\_\_  
\_\_\_\_\_

### **Improve the Prototype**

(Re-design your Prototype. Create a labeled diagram of your improved prototype.)

#### **Materials**

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<b>Group #</b> _____	<b>Section:</b> _____
<b>Student Name:</b> _____	
<b>Partner's Name:</b> _____	

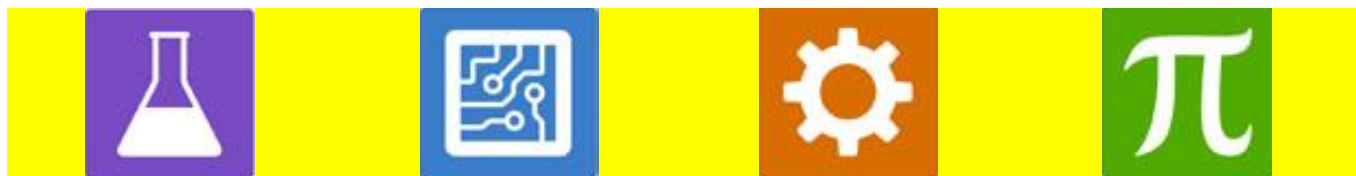
**Reflection Questions**

1. In what way did you improve your prototype?


2. Do you expect the improved prototype to pass the challenge?  
Why?


3. What did you learn? Discuss your success or lack of success and reasons for it.



**Make a Movie** – Use (*iMovie, Keynote, Flip, Canva, etc.*) to create a video/presentation following the instructions below. Share the movie or presentation on **Seesaw**.

**Instructions:** Record and submit a video of yourself and your team answering the following questions:

1. What was the title of your project?
2. What was your project about?
3. What were your findings during the research?
4. Which materials did you use from the available ones?
5. Did your prototype pass the challenge?
6. Why did your prototype pass or did not pass the challenge?
7. A. If YES to question #5, skip question #7!  
B. If NO to question #5, what changes did you make to your prototype? Did it pass the challenge after you improved it?
8. What would you like the next STEM project to be on?
9. Add pictures and video that you recorded during the project in your presentation.