

Name

#

## Engineer's Notes: Marine Debris Device

### Ask and Research:

Research marine debris and beach clean-ups. Come up with at least 5 different questions about marine debris and Microplastics. Here are some example questions: What type of trash is typically found on the beach? How can we effectively and efficiently get rid of the Microplastics found in the sand? Are there tools to help us collect the Microplastics on the beach and what are they?

**Name**

**#**

## **Engineer's Notes: Marine Debris Device**

### **Imagine and Plan:**

What materials will you need? Make a list and write where you will get the materials. What are some ways you could shape the materials to construct your device? Sketch 3 different designs and label all the parts.

Name

#

## Engineer's Notes: Marine Debris Device

### Timeline:

Create a timeline describing when you will accomplish the following tasks:

- bringing materials
- building the device
- testing the device
- reflecting on the results of the device
- redesigning the device
- rebuilding the device
- retesting the device – March 6

Name

#

## Engineer's Notes: Marine Debris Device

### Test:

Try #1  
# of Microplastics Collected:

Try #2  
# of Microplastics Collected:

Observations:

Observations:

### Improve:

What changes did you make to your design? How else can you improve your design? Draw a sketch of your revised design and label the parts.

### Retest Results:

Try #1  
# of Microplastics Collected:

Try #2  
# of Microplastics Collected:

Observations:

Observations: