



# February STEM CHALLENGE

## Valentine's Day Cupid's Bow

Due Date: 3/6/17

Challenge: **Oh No!! Cupid has lost his bow and arrow and it's Valentine's Day! Can you build a tiny bow that accurately shoots arrows at the heart?**

- Using the Popsicle sticks, floss or fishing line, and Q-tip design a bow and arrow for Cupid
- Test your bow and arrow and shoot at the heart
- Document your results

Materials:

- Popsicle Sticks
- Floss or Fishing Line
- Q-Tips
- Markers



Submission:

- Draw or take a picture of your bow and arrow
- Use the enclosed data sheets or write your results and claim and evidence statement and submit
- Please submit your drawing/picture, data sheets or claim and evidence statements to **GST BOCES in the "PONY" to Bath High School Room 444-STEM**





## Cupid's Arrow Data Sheet

Name	Number of shoots that hit the heart

## Results

Were you successful in this challenge? \_\_\_\_\_

Why do you think you were or were not successful?

---

---

---

If you could complete the challenge again, what ideas would you take from your classmates?

---

---

---

---

---

---

---

What did you learn about engineering?

---

---

---

---

---

---

---

---