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

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<th>Name</th>
<th>Number of shoots that hit the heart</th>
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Results

Were you successful in this challenge? ________________________________

Why do you think you were or were not successful?
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______________________________________________
______________________________________________

If you could complete the challenge again, what ideas would you take from your classmates?
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What did you learn about engineering?
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