

## Educational Engagement Form

Please complete and submit this form each time you host an educational engagement event.  
(Return within 2 weeks of the event end date)

**School/Organization name:** Northeastern University

**Date(s) of event:** 13 February 2015

**Location of event:** Northeastern University

### *Instructions for participant count*

*Education/Direct Interactions: A count of participants in instructional, hands-on activities where participants engage in learning a STEM topic by actively participating in an activity. This includes instructor- led facilitation around an activity regardless of media (e.g. DLN, face-to-face, downlink.etc.). Example: Students learn about Newton’s Laws through building and flying a rocket. **This type of interaction will count towards your requirement for the project.***

*Education/Indirect Interactions: A count of participants engaged in learning a STEM topic through instructor-led facilitation or presentation. Example: Students learn about Newton’s Laws through a PowerPoint presentation.*

*Outreach/Direct Interaction: A count of participants who do not necessarily learn a STEM topic, but are able to get a hands-on look at STEM hardware. For example, team does a presentation to students about their Student Launch project, brings their rocket and components to the event, and flies a rocket at the end of the presentation.*

*Outreach/Indirect Interaction: A count of participants that interact with the team. For example: The team sets up a display at the local museum during Science Night. Students come by and talk to the team about their project.*

**Grade level and number of participants:** (If you are able to break down the participants into grade levels: PreK-4, 5-9, 10-12, and 12+, this will be helpful.)

<i>Participant’s Grade Level</i>	<i>Education</i>		<i>Outreach</i>	
	<i>Direction Interactions</i>	<i>Indirect Interactions</i>	<i>Direction Interactions</i>	<i>Indirect Interactions</i>
<i>K-4</i>				
<i>5-9</i>	40			
<i>10-12</i>				
<i>12+</i>				
<i>Educators (5-9)</i>	1			
<i>Educators (Others)</i>				

Are the participants with a special group/organization (i.e. Girl Scouts, 4-H, school)? **Y** **N**

If yes, what group/organization? Boston School District

**Briefly describe your activities with this group:**

During this event, about 40 students in the 7th grade were taught the fundamentals of rocket stability. The event began with a PowerPoint presentation which included a video of the Apollo 8 Saturn V rocket launch as well as videos of some of our own launches. Past rockets were used to show the different components of rockets and were passed around for the students to take a closer look. The students were split into two groups to either build paper rockets or Play-Doh rockets. The Play-Doh rockets were plastic tubes that fit a stomp rocket launcher on which students molded their own nose cone and taped fins. The Play-Doh rocket activity was the brainchild of an AIAA member and it proved to be a huge success. All the students made both types of rockets and were able to launch their creations.

**Did you conduct an evaluation? If so, what were the results?**

N/A

**Describe the comprehensive feedback received.**

Students went crazy for this event. They especially loved being able to make rockets from Play-Doh.