

## Educational Engagement Activity Report

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: University of Alabama, Huntsville – Charger Rocket Works

Date(s) of event: 01/14/2017

Location of event: University of Alabama, Huntsville, Materials Science Building

### 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.)

Participant’s Grade Level	Education		Outreach	
	Direct Interactions	Indirect Interactions	Direct Interactions	Indirect Interactions
K-4				
5-9	300			
10-12				
12+	70			
Educators (5-9)	30			
Educators (other)				

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

If yes, what group/organization?

FIRST LEGO League Robotics

Briefly describe your activities with this group:

At the UAH Society of Women Engineers FIRST LEGO League Qualifier, CRW impacted approximately 400 students, educators, and parents. This event consisted of 17 teams of students ranging in age from 8 to 14 years. Each team had to construct an autonomous robot to complete several tasks for points. These teams were also scored on core team values, robot design, and project design. At this event, members of CRW helped in various roles to ensure the day went smoothly such as judges, referees, and the Tournament Director. Through this event students learned not only programming language but also construction of robotic elements. It is hoped that the event will inspire more individuals to pursue a STEM field.

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

No formal evaluation was conducted aside from a verbal feedback at the end of the event.

Describe the comprehensive feedback received.

Through verbal feedback with the teams, CRW received feedback on the venue, organization of the event, and the attitude of the volunteers. It was suggested that for future events, a larger venue is to be selected as sight of the actual competition tables were limited. Additionally, it was suggested that a larger pit area be used. While these are important points to take into consideration, the overall feedback received from the event was positive in that CRW was complimented on the overall organization of the event, the smooth flow of the day's event, and the overall positive attitudes of all volunteers present. Additionally, when CRW asked the crowd if anyone wanted to be an engineer or rocket scientist, the whole crowd cheered!