**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)

Submitting Team: Fisk Mastering Aeronautics Team (FMAT)

Name of event: October Fest

Date(s) of event: 10/27/2017

Location of event: Fisk University Multipurpose Room

***Instructions for participant count***

*Direct Interactions: A count of participants in instructional, hands-on activities where participants engage topics by actively participating in an activity. Example: Students learn about Newton’s Laws through building and flying a rocket.*

*Indirect Interactions: A count of participants engaged in learning a topic through presentation or display. Examples: Students learn about Newton’s Laws through a PowerPoint presentation or your team sets up a display at the local museum during Science Night and discusses your project with the participants.*

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 | **Direct** Interactions | **Indirect** Interactions |
| K-4 | 2 |   |
| 5-9 | 5 |   |
| 10-12 | 2 |   |
| 12+ | 2 |   |
| Educators |  |  |
| Other/Uncertain | 6 |  |

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

If yes, what group/organization?

Briefly describe your activities with this group:

Introduced children to the concept of a magnetism by using a ring thrower. At the press of a button, a magnetic field was generated through a coil magnet which allowed for the witnessed levitation.

Introduced the children to the concept of rotational inertia. We utilized balance beams that had uneven distributions of weight. On one set, the weight was settled in the middle. On the second set, the weights were distributed equally on both ends. We had the children have competitions to see who could spin them from side to side the quickest. They caught on quickly that they were able to get more rotations with the balance beams that had the weights in the middle as it possessed the lowest rotational inertia.

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

N/A

Describe the comprehensive feedback received.

The children really appreciated the fun associated with learning and were reluctant to leave. While they came for the candies and goodies, they stayed for the science.