On Saturday, December 3, participants of the Duke Robotics Education, Enrichment, and Mentoring program will gather with friends and family to present the results of a semester-long LEGO robotics project. With the help of trained Duke mentors, groups have worked for 7 weeks to create line following programs that can sense 2- or 3-dimensional objects along a course. Students will discuss the challenges and successes of the semester and consider how they might continue to build on their newly acquired computer programming and NXT construction skills.

Exhibition Prep Time: noon - 1pm
Groups will have one hour starting at noon to finalize their programs and robots. During this time, students will have full access to the exhibition course, and will be able to make changes to the robot code and construction.

Guest Speakers: 1pm-2pm
While guests enjoy lunch, we will hear from two current Computer Science Ph.D candidates, Mac Mason and Susanna Ricco. Mac and Susanna are both in the fifth year of their Ph.D work. They will present and discuss their current research, and offer a look into how they decided to pursue advanced degrees and careers in Computer Science.

Exhibition: 2pm - 3.30pm
Groups will have at least 5 minutes to demonstrate and discuss the final project. During this time, students will explain how they tackled the challenges presented over the semester.

CSEd Week: December 4 - 10
Computer Science Education week is a national effort that recognizes the transformative role of computing and the need to bolster computer science at all educational levels. The main goals of this movement are:

- Raise awareness of the central role of computing in our global information society
- Promote efforts to provide students – particularly in grades K-12 – a robust computer science education
- Highlight the challenges that deny access to computer science education for all students
- Engage supporters to prepare students with the knowledge and skills they need for the 21st century

We hope all participants of the DREEM after-school program feel inspired to continue to develop skills in computing and robotics!
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Getting to Duke

All Exhibition activities will take place in the Hall of Science and the Love Auditorium, which are in the B wing of the LSRC (308 Research Drive). Street parking is available along Circuit Drive and Lasalle Street.

The Exhibition (testing and demos) will take place in the Hall of Science. Guest speakers will present in the Love Auditorium, which is directly adjacent to the Hall of Science.

Find out more about CS Education week Online at CSEdWeek.org