

# Lego Robotics

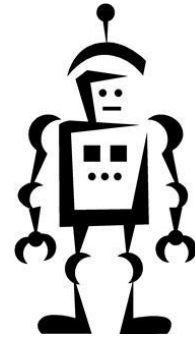
A FAST program for 4<sup>th</sup>-5<sup>th</sup> grade students

When: Tuesdays, January 24-April 17 (excluding holidays; specific dates noted below)

12 sessions from 2:30-4:00 p.m.

Dates: Jan. 24, 31; Feb. 7, 14, 21, 28; Mar. 6, 13, 20, 27; Apr. 10, 17

Where: Ms. Neal and Ms. Wilson's classrooms



Students design, build, and program fully functional Lego NXT robots as they learn and apply STEM (Science, Technology, Engineering, and Mathematics) concepts in engaging, real-world contexts. At the same time, they develop and strengthen the life skills of problem solving, teamwork, and perseverance. Combining Carnegie Mellon's robotics engineering curriculum with our Lego Robotics classroom experience, we look forward to raising robots with students from the ground up! No previous robotics experience is necessary. Our focus is a differentiated one that seeks to help new students build a foundation, facilitate advanced students' understanding of more complex concepts, and challenge all to build upon prior learning. As problems differ and understanding builds, students continue to experience new and exciting challenges. Students enrolled during the fall semester will be able to use already acquired understanding and a greater emphasis on sensors to focus on preparing for a competition we'll hold at the end of the spring course.

Cost: \$199 per student, including all costs related to equipment usage

Please make checks payable to Tamera Neal. Submit check and registration form in an envelope labeled "Lego Robotics" to Shell Jones in the Tritt office.

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## Lego Robotics Registration Form

Student's Name: \_\_\_\_\_ Grade: \_\_\_\_\_

Parent's Name: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

Emergency Contact and Phone: \_\_\_\_\_

My child will be \_\_\_\_\_ attending ASP or \_\_\_\_\_ will be picked up in the car line\*\*.

\*\*Students will be brought to the carpool line at 4:00 p.m. Students remaining in the carpool line at 4:10 p.m. will be placed in ASP. Students staying in ASP will receive a snack when they check in—before each robotics session. All other students are welcome to bring a snack to class.

Parent Signature: \_\_\_\_\_