

GEARBOTS Robotics Engineering Program

At Yale Secondary School

Introduction to Robotics: NXT 100, 150, 200, and 400 Courses

Targeted students: Academically motivated students (ages 9 – 14+).

Learn about the exciting world of robotics during this introductory course where students will have a hands-on opportunity to design, build, and program a basic robot to interact with its environment. While working in engineering teams of two, each team will have an opportunity to learn the basics of building and programming (NXT-G 2.0 software) using the highly acclaimed LEGO™ Mindstorms NXT platform.

GearBots Programs are an excellent opportunity for your child to learn more about science, technology, engineering and math (STEM Education) effective problem solving, critical thinking, and teamwork skills.

Prerequisite: Students are **required** and **expected** to be able to work cooperatively with others, follow directions, work on-task, function within the lab / team setting, and be respectful of both the equipment and others. This program **is not advisable** for students with behavioral or social needs.

Space is limited, so reserve your spot today. Maximum 20 students in each course.

NXT 100 Courses:

Introduction to Robotics

Prerequisite: See above / Ages 9-14
Formerly called NXT Level One

October 2011 4, 6, 11, 12, 18, 20	Cost: \$65.00 9 hours
January 2012 10, 12, 17, 19, 24, 26	

NXT 150 Course:

Advanced Engineering Design / Free Building

Prerequisite: NXT 100 / Ages 9-14
This is a new course

November 2011 1, 3, 8, 10, 15, 17	Cost: \$65.00 9 hours
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NXT 200 Course:

NXT-G Advanced Programming Design

Prerequisite: NXT 100 / Ages 10-14

February 2012 7, 9, 14, 16, 21, 23, 28, March 1	Cost: \$85.00 12 hours
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NXT 400 Series:

Introduction to ROBOTC / NI LabView

Prerequisite: NXT 200 / Ages 10-14+

May 2012 1, 3, 8, 10, 15, 17, 22, 24	Cost: \$85.00 12 hours
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Place: Yale Secondary School - Room E107 (Robotics Engineering Lab)

Time: 3:30pm to 5:00pm (Tuesday / Thursday)

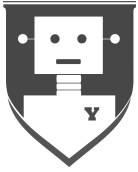
Duration: Each class is 1.5 hours long

Registration: To register your child, visit the ARC, call the ARC directly at 604.853.4221 or visit www.direct2rec.com

Contact Information:

- Dereck Dirom - Program Coordinator
- Email: info@gearbots.org
- Yale Secondary School – Room E107
- Phone: 604-853-0778 Fax: 604-854-3754





Introduction to Robotics ~ Registration Form

GEARBOTS Robotics Engineering Program at Yale Secondary School

To register for this program, call the ARC at 604.853.4221, visit www.direct2rec.com and search ROBOTICS or drop by the ARC (next to Yale). If you have questions about the program contact Dereck Dirom at Yale Secondary School - Phone: 604-853-0778 or email to info@gearbots.org

Please fill out this registration form and bring to the first class

Student's First Name: _____

Student's Last Name: _____

Present age: _____ Gender: _____ Grade Level: _____

Course Name(s): (ex: NXT 100 - Jan 2012) _____

Note: Just include the month and year (**sample:** Oct 2011 or Feb 2012)

Name of Parents / Legal Guardians: _____

Home address: _____

Home phone number: _____

Parent's email address: _____

Medical concerns: _____

Emergency contact information: Name & phone number _____

Present school enrolled in: (if applicable) _____

Classroom teacher's name: (if applicable) _____

PLEASE SIGN: Parental Permission Required: _____

I hereby give permission for my son/daughter to participate in this after school program – PLEASE SIGN ABOVE.

Dereck Dirom - Program Coordinator

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