Resources for Robotics

Instruction

* UMASS Lowell Robotics Lab, <http://robotics.cs.uml.edu/> for educator workshops, especially for Artbotics
* Search colleges for LEGO Mindstorms courses
* Search online for YouTube tutorials for LEGO Mindstorms robots/programs

Funding and Donations

* DonorsChoose.org
* Linda Schulman Innovation Fund at MATSOL
* UMASS Lowell Robotics Lab, http://robotics.cs.uml.edu/
* colleges, churches, local education funds
* your own school for a variety of expenses: Seven Hills funded our T-shirts, transportation, and ice cream!…

Classroom Support

* Recruit local college students, other staff, older students, or train your own helpers!
* Other Seven Hills robotics programs have had the support of Worcester Polytechnic Institute and Quinsigamond Community College.
* SHREC has had the regular support of our second-grade MSA teacher, Christine Fairbanks; seventh-grade math teacher, Jason Dimen, and Instructional Assistant Chrystal Gillette. In addition we had four seventh-grade mentors last year, our Experts this year, parent chaperones, and a wonderful, Robotics-trained ESL intern last year, Kim Dadah. For logistics, our Director of Student Support, Jen Applegate; Curriculum Director, Mike Barth; and Superintendent, Krista Piazza, have all been very supportive.

Seven Hills Robotics Education Club (SHREC) Library

**Non-Fiction:**

Low-Level (photos and small amount of text)

*Animal Robots* by Erika Shores (Capstone Press)

*Helper Robots* by Nancy Furstinger (Lightning Bolt Books)

*Robots* (Rigby Sails Early)

*Robots, Robots Everywhere* by Sue Fliess (Little Golden Book)

*Robots at Home* by Christine Zuchora-Walske (Lightening Bolt Books)

*Robots in Space* by Nancy Furstinger (Lightning Bolt Books)

*Robots in Space* by Kathryn Clay (Capstone Press)

*Robots on the Job* by Kathryn Clay (Capstone Press)

*Tiny Robots* by Kathryn Clay (Capstone Press)

*Weather Robots* by Christine Zuchora-Walske (Lightening Bolt Books)

Medium Level (lots of photos/captions etc but longer texts, good for reference)

*Discover Science:* Robots by Clive Gifford(Kingfisher)

*Everything Robots* by Jennifer Swanson(National Geographic Kids)

*Eyewitness Robot Book by Roger Bridgman (DK)*

*Guinness World Records: Remarkable Robots* by Delphine Finnegan (Harper)

*Hi-Tech World: Cool Stuff* by Ben Hubbard (Crabtree Contact)

*Hi-Tech World: High-Level Security* by Ben Hubbard (Crabtree Contact)

*Manufacturing Robots* by Daniel R. Faust (PowerKids Press)

*Really? Robots* by Susan Hayes (Scholastic)

*Robot Scientist* by Kevin Cunningham (Cherry Lake Publishing)

*Robotics: cool science* by Helena Domaine (Lerner Classroom)

*Robots* by Clive Gifford (Simon & Schuster)(pop-up)

*Robots* by Gail Tuchman (Scholastic)

*Robots* by Mark Shulman (Time for Kids Explorers)

*Robots* by Melissa Stewart (National Geographic Readers)

*Robots (Time for Kids Explorers)*

*Science Kids:* Robots by Clive Gifford(Kingfisher) (lower than *Discover Science*)

*Technology: Mysteries Revealed* by Jill Bryant (Crabtree Publishing)

*What is a Circuit?* By Ethan Weingarten (Gareth Stevens)

*Zoobots* by Helaine Becker (KidsCan Press)

Higher Level (few pictures, a lot of text)

*Careers in Robotics* by Paul Kupperberg (Rosen Publishing)

*Robots and the Whole Technology Story* by Glen Murphy (MacMillan Children’s Books)

*Robo World* by Jordan Brown (biography)

*Robots* by Daniel H. Wilson (Popular Mechanics)

Activity Books

*Cool Robots (LEGO Models)* by Sean Kenney (Henry Holt and Company)

*Ralph Masiello’s Robot Drawing Book* by Ralph Masiello*, (Charlesbridge)*

*Recycled Robots* by Robert Malone(Workman Publishing Company)

*The Robot Book: Build & Control…* by Bobby Mercer *(*Chicago Review Press)

*Robotics: Discover the Science…*by Kathy Ceceri (Build It Yourself)

**Reference Books**

*THE ART OF LEGO MINDSTORMS EV3 PROGRAMMING* by Terry Griffin, (No Starch Press), San Francisco, 2014

*LEGO EV3 ROBOTICS: A Guide for Educators* by Mariappan Jawaharlal (Red Gerbera), 2016

*THE LEGO MINDSTORMS EV-3 DISCOVERY BOOK* by laurens valk, (No Starch Press), San Francisco, 2014

*THE LEGO MINDSTORMS EV-3 LABORATORY* by danielle benedetelli, (No Starch Press), San Francisco, 2014

**Fiction:**

Picture Books

*Benjamin McFadden* *and the Robot Babysitter* by Timothy Bush (Scholastic)

*Boy +* Bot by Ame Dyckman (Alfred A. Knopf)

*clink* by Kelly DiPucchio

*Little Bot and Sparrow* by Jake Parker (Roaring Brook Press)

*Robo-Sauce* by Adam Rubin (Dial Books)

*The Robot and the Bluebird* by David Lucas (Farrar Straus Giroux)

*The Robot and the Bluebird* by David Lucas (Farrar Straus Giroux)

*Robot Rhymes* by Karen teel (Headline Kids)

Low-Level Readers

*My Robot by* Eve Bunting (HMH Books for Young Readers)

*Pete the Cat: Robo-Pete* by James Dean

*Robot Goes On A Trip* by Cassie Willows (Imaginitive Press)

*Robot-Go-Bot* by Dana Rau (Random House)

*Robot Man* by Paul Orshoski (Treasure Bay)

Medium-Level Readers

*Robots: Meet The Robots* by Acton Figueroa (Festival Readers)

*Robots: Rodney Goes to Town* by Acton Figueroa(Festival Readers)

*Robots: Rodney the Inventor* by Scout Driggs(Festival Readers)

Chapter Books

*The Data Set: Robots Rule the School* by Ada Hopper (Little Simon)

*The Junkyard Bot* by CJ Richards

*Robots: Rodney to the Rescue* by Kathleen Zoehfeld(Festival Readers)

Graphic Novels:

*Little Robot* by Ben Hatke (First Second)

*Robot Rampage* by Scott Nickel (Stone Arch Books)

High Level

*The First Robot President* by Gregory Turner Rahman (metasurface.net)

*Robots: The Movie Storybook* by Kate Egan (Festival Readers)

*Ungifted* by Gordon Korman (Balzer + Bray)