

Technology and Robotics Curricula and Resources

Here is a short list of some amazing technology and robotics resources that are ready to be used in your classroom! There are many more resources out there, but this is a great start.

Brown Dog Gadgets

<http://www.browndoggadgets.com/>

Really fun and simple projects for kids of all ages to complete. Relatively inexpensive kits with easy to follow instructions.

Instructables

<http://www.instructables.com/>

A true “maker” site. Users create and upload do-it-yourself projects on various topics. This site also has many amazing contests to test your creativity and skill. Topics range from robots to electronics to almost anything you can think of!

Carnegie Mellon Robotics Academy

<http://education.rec.ri.cmu.edu/>

They have multimedia curricula available for Lego Mindstorms robots and VEX Robotics. This is an incredibly comprehensive site with lots of resources.

nxtprograms.com

<http://nxtprograms.com/>

This site has compiled resources from multiple websites into one place. They provide free instructions and programs for all versions of Mindstorms robots.

STEMRobotics STEM Education with a Robotics Implementation

<http://stemrobotics.cs.pdx.edu/>

Lessons focusing on teaching various courses such as mathematics, computers, science, technology etc through the use of robots. Lots of lessons are available and many more are being added.

Lego Mindstorms Blog

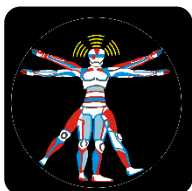
<http://www.thenxtstep.com/>

This resource provides many unique building instructions using Lego Mindstorms EV3 robots. Links are also provided for some amazing Lego Robotics projects complete with instructions and video of the creations.

Science Buddies

<http://www.sciencebuddies.org/>

This site has instructions on how to make Bristle Bots, Solar Powered Bots and other easy to make robots. They also have lots of resources for science projects as well as great supports for using the scientific method effectively in these projects.



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