



MakerStudio @GCLS



MakerBot Replicators 2nd, 5th gen and Dremel - 3D Printers

Think and build bigger than ever as you create professional-quality, high-resolution prototypes and complex models using renewable PLA bio-plastic.

(<http://store.makerbot.com/>, <https://3dprinter.dremel.com/>)



Roland Stika SV-15 – Vinyl Cutter

A universal vinyl cutter/plotter capable of producing an array of applications; such as, custom signs, displays for retail stores, heat transfer material for apparel, etching material for sand blasting, vehicle graphics, decals, and labels.

(<http://www.rolanddga.com/products/cutters/stika/>)



Button Making Machine and Supplies

Everything you need to make professional 1 inch & 2 ¼ inch buttons with a paper punch so you can cut your paper into perfect circles and graphic template files to design your buttons on the computer. (<http://thebuttonguy.net/>)



Computerized Sewing and Embroidery Machine

Explore the fun and creative possibilities of sewing, embroidery, crafting and quilting. (<https://www.brother-usa.com/>)



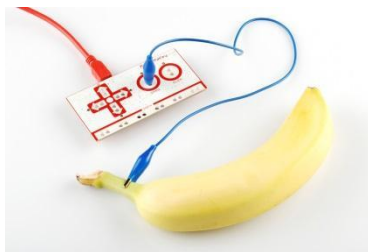
LEGO Robotics Mindstorms NXT

Learn how to program and run LEGO NXT Robots using a variety of sensors and motors. (<http://www.lego.com/en-us/mindstorms>)



Arduino & Raspberry Pi Microcontrollers

Learn how to build, program, and interface with various electronic and computer controlled projects using these popular microcontrollers and electronic component supplies. (<http://www.arduino.cc/>) (<http://www.raspberrypi.org>)



MaKey MaKey

MaKey MaKey allows people to turn everyday objects into keys and use them with their computer. A great intro to human/computer interaction techniques. Excellent for early learners. (<http://www.makeymakey.com/>)



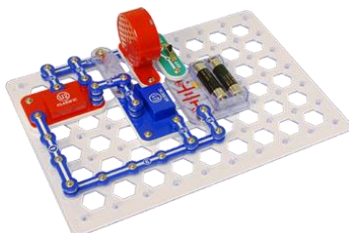
LEGO WeDo Construction & Early Simple Machines Kits

LEGO WeDo kit can be used to make motors and sensors interact with your Scratch project. The Early Machines Set provides eight mechanical models and eight double-sided, full-color building instructions. (<http://education.lego.com/en-us/preschool-and-school/lower-primary/7plus-education-wedo>)



LittleBits Base Kit

Make circuits in seconds with the littleBits Base Kit - no soldering, programming or wiring required. This collection includes 10 of littleBits' color-coded Bits modules that snap together with magnets to create larger circuits. (<http://littlebits.cc>)



Snap Circuits

Elenco Snap Circuits makes learning electronics easy and fun! Just follow the colorful pictures in the manual and build exciting projects, such as FM radios, digital voice recorders, AM radios, burglar alarms, doorbells, and much more!. Enjoy hours of educational fun while learning about electronics. (<http://www.snapcircuits.net/>)



Digital Media Lab (**DML**)

Analog to Digital Conversion Suite:

- VHS to DVD transfer
- Audio Cassette tape to computer file transfer
- Vinyl record to computer file transfer
- 8mm & Super 8 film reel to digital transfer

Music/Voice production:

- GarageBand software, Guitar, and MIDI keyboard for music creation
- Blue Yeti microphone for professional voice recording projects such as:
 - Oral History recording
 - Podcasting
 - Video voice over projects
 - School media projects
- 5 Disc CD replicator for duplication of completed projects

Video production:

- iMovie software
- HD video cameras
- Green screen and professional umbrella 800 Watt output lighting stands
- Stop motion animation kit
- 5 Disc DVD replicator for duplication of completed projects

Photo editing:

- Photo slide and 8mm film single image digital transfer
- GIMP Photo editing software
- Scanner and Inkjet photo printer for photo realistic editing and printing



Virtual Reality and Gaming Development Suite:

- Oculus Rift and HTC Vive Development Kit and VR Headset
- Gaming and 3D development software



The GCLS **DML** also features a collaboration table with large screen monitor for group project work, acoustic sound panels for better recording and project monitoring all in a private room for a relaxed recording experience.



Construct 2



DesignStudio @GCLS

Music production:

- Garageband software on iMac for music creation and mixing
- Sony Acid Music Studio software for music creation and mixing. MIDI Keyboard for music production.

Animation Production:

- Anime Studio Debut 11 for 2-D animation
- Sketchbook Pro software, in conjunction with Wacom Intuos Tablets for sketching and Flipbook animation.
- Construct 2 software for video game design.
- iMovie video software

Photo Editing:

- GIMP Photo Editing software
- Inkscape software for drawing and editing
- HP DesignJet Large Format Printer prints out poster size sheets on

Additional Apps on Sprout Computer only:

- Light Stencil app to scan, edit, project, and trace images.
- Martha Stewart CraftStudio app creates scrapbooks, invitations and more.
- Crayola DJ for music mixing
- Crayola Color, Draw and Sing for musical coloring pages
- Pianotime is a virtual piano app
- Anatomy 4-D shows realistic pictures of the human body and human heart
- HP Capture Stage for 3-D scanning, editing and 3-D printing