MakerStudio @GCLS

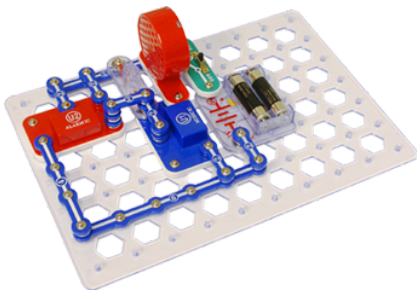|	
	## MakerBot Replicators 2nd, 5th gen and Dremel - 3D Printers Think and build bigger than ever as you create professional-quality, high-resolution prototypes and complex models using renewable PLA bio-plastic. (http://store.makerbot.com/, https://3dprinter.dremel.com/)
	## MakerBot Digitizer - 3D Scanner Use this to output 3D Scan Models to popular design software and/or print 3D models with a 3D printer. (http://store.makerbot.com/digitizer)
	## 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/)
	## SINGER 14CG754 - Serger Machine Serger Overlock sewing machine has 6 different stitch types to ensure the perfect stitch, regardless of the project: Blind Hems, Rolled Hems, Flatlocking, finishing raw edges and sewing seams. (http://www.singerco.com/products/1365/14cg754-pro-finish)
	## 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/)

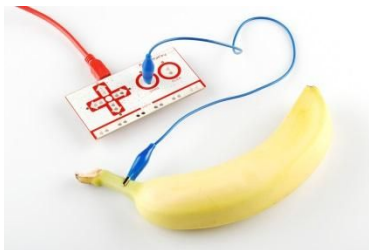|	
	## Snap Circuits Elenco Snap Circuits makes learning electronics easy and fun! Just follow the colorful pictures in the manual and build exciting projects, such as FM radios, digital voice recorders, AM radios, burglar alarms, doorbells, and much more!. Enjoy hours of educational fun while learning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

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

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
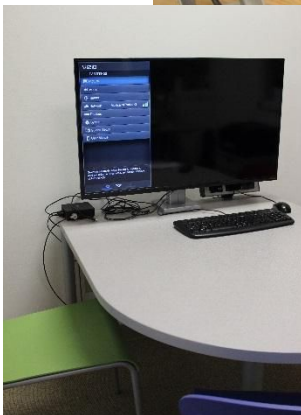- 5 Disc DVD replicator for duplication of completed projects

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
- Custom gaming computer:
    - Intel Core i5 i5-4690K Quad-core (4 Core) 3.50 GHz 6 MB Cache - 5 GT/s DMI 3.90 GHz Overclocking Speed - 22 nm
    - Intel HD 4600 Graphics, 32 GB DDR3 SDRAM Maximum
    - WD Blue WD10EZEX 1 TB 3.5" Internal Hard Drive - SATA - 7200 rpm - 64 MB Buffer
    - EVGA GeForce GTX 970 Graphic Card
    - 16X Blu-ray BD/BDXL/MD M-DISC Burner Drive 3D Playback

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.

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.
- Dragonframe 3 software on iMac for stop motion animation. Camera and lights included.
- Construct 2 software for video game design.
- iMovie video software

Photo Editing:
- GIMP Photo Editing software
- Inkscape software for drawing and editing
- HP Design Jet 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

Construct 2

ANIME STUDIO