

Technology Highlights

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Old School, New Tools

From Sewing to Legos to Engineering- visit your local Library to discover new tools to streamline tasks or build your skills.

It's Sew Easy!

Have you always wanted to learn to sew? Get hands-on experience as you explore the world of sewing.

Learn the Tools

Join us in this basic sewing class and learn about sewing safety, basic sewing machine skills and stitching seams. To get started, register for the *Basic Sewing: Introduction to the Sewing Machine* and *Patterns and Fabric* classes to familiarize yourselves with the tools.

Use the Tools

Already learned the basics? Put your knowledge to use in the studio with project-based classes and Open Labs. The *Adjustable Aprons* and *Gift Bags* classes are perfect for beginner and intermediate sewing students. Take a look at the *Basic Alterations* series of classes to find out how you can put your skills to work in your closet.

Halloween and Cosplay Help

Once you know how to use the sewing machine and patterns come in to our *Open Lab: Ask a Tech Sewing Lab* and get personalized help with your costume making! Let's get creative together!

Add the Tech

No project is complete without a little bling. The *DIY: Wearable Electronic Fashion* class provides the skills you need to create a functioning electronic circuit on a custom fabric design. Learn about the inexpensive components and how you can sew your own wearable electronic fashions. A materials fee applies.

Measure Twice, Cut Once

Can there be advances in woodworking? Visit the Fab Lab to check out the Shapeoko CNC machine and utilize the Cut2D software to create stunning designs in wood and other materials.

Customize Your Design

Cut2D is used by cabinet makers, wood workers and hobbyists because it provides a powerful CAD software solution for cutting parts on a CNC Router. Create a design with easy-to-use vector graphic and text tools. Customize your cuts and engraving on different materials.

Pen and Paper

Pen tablets are a great alternative to using a mouse for drawing and painting in a more natural way, similar to using pencil and paper.

Pen Tablets

Create digital graphics using pen tablets, the preferred drawing tool for digital artists. Learn more about tablets, drawing software and techniques.

Get Digital

Tech 'N Color brings you the "social paint night" experience with a technology twist! In each session, enjoy simple steps to create stunning paintings using pen and tablet technology with the guidance of a graphic design instructor in a fun, casual atmosphere.

Draw on Your Experience

Take your 2D characters to the 3D world in *Maya* and *Blender* classes. Learn about the basics of modeling, rigging and animating a 3D character.

Modeling

With hands-on exercises you will learn the production workflow, animation concepts and commonly used tools in Blender. Learn the basics of the production workflow as well as modeling, rigging and animation concepts and tools using Maya. Turn your ideas into reality.

Just Kidding Around

Encourage a kid you know to check out the fun Camp Savvy classes. In the *Camp Savvy: Tell a Story with Comic Strips* class, kids ages 6 to 8 can put together cool comic drawings using *Comic Life*. Change layouts, add cartoons, and write a story to make comic drawings come alive!

Featured Classes

ocls.info/classes

Vintage Prints

Register for Photoshop classes to learn concepts used in the photo restoration and retouching.

Back to Basics

In Photoshop Levels 1-4, learn about the functionality of Photoshop and explore the environment. You will learn how to use layers, layer masks, free transform tools and text tools. Use selection and editing tools to add basic effects to images. Explore tools such as layer styles, custom shapes, gradients and photo filters. Apply common image editing techniques used to retouch and restore photographs.

Building Blocks

Legos are used for more than just building. Check the calendar for the newest *Lego Mindstorms* classes.

Techno Lego

Wind Power Engineering and *Robotics Using Pneumatics* are only a couple of the topics discussed in the *Lego Mindstorms* STEM classes.

Be a Whiz

During the *Whiz Kids: Machines, Motion and Engineering Using K'NEX* class, kids ages 9-12 build machines such as transmissions, drag racers, cranes, rocket launchers and more. Make learning fun with hands-on building.

Learning Is a Snap

Make learning a snap with classes on radio electronics, circuitry and more!

Get Snappy!

Make learning electronics a snap! Explore the basics of electronics while you build exciting projects such as a flashing light, a radio alarm, a doorbell, FM radios, transmitters, electromagnets and much more. Learn the basic science of electronics and they impact our everyday lives.

Tech Talks: Tech Central

For more information, visit ocls.info/melrose or call 407.835.7323.

Inferential Design: How to Craft Intuitive and Fun User Experiences

Orlando Public Library, Melrose Center Thursday, August 25, 6:30 p.m.

If you're building games, apps or websites, learn how to manage user behavior and expectations by relying on the concept of inference. The concepts covered in this talk by Game and Simulation Programming Professor David J. Sushil will help your audience feel clever and lead to better designed products.

Trainer Tip of the Month

When restoring vintage photos in Photoshop, check out these quick keys and tips to improve your workflow.

Brush Strokes

To make the brush smaller, press the *Left Bracket* key.

To make the brush larger, press the *Right Bracket* key.

Zoom

To zoom in, press the <+> key.

To Zoom out, press the <-> key.

History

Open the *History Panel* to undo multiple steps at a time.