



## CAMP LCTI 2017 • CAMP CLASSES

At Camp LCTI, each camper spends the week in four classes of their choice. All of the classes feature fun and challenging STEAM (Science, Technology, Engineering, Art, Math) activities designed to help campers explore a wide variety of career areas. This year, Camp LCTI is offering 16 classes linked to LCTI's career and technical education programs.

**3D DISCOVERY:** Campers design everything from tchotchkes to dream homes and use a 3D printer to produce their creations as they learn to use Autodesk software.  
Instructor: Wanda Yohn

**BUSY BOTS:** Campers learn to think like engineers as they create bristlebots, drawbots, and other simple robots with repurposed household items and K'NEX products. Instructor: Sharon Kinney

**CHEFS IN TRAINING:** Campers build confidence in the kitchen as they prepare pasta, pizza, stromboli and more while learning basic measuring, mixing and cooking techniques. Instructor: Brock Cahoon

**CODE NAME: ARTIST:** Guided by Google's CS First curriculum, campers explore art concepts as they learn to code, moving from simple animation to virtual greeting cards. Instructor: Joseph Peregrin

**CODE NAME: ANIMATOR:** Guided by Google's CS First curriculum, campers explore animation concepts as they learn to code racing, maze, platform, escape and launcher games. Instructor: Joseph Peregrin **CODE NAME: GAMER IS A PREREQUISITE FOR THIS CLASS.**

**CODE NAME: GAMER:** Guided by Google's CS First curriculum, campers explore game design concepts as they learn to code games with features like dialogue between characters. Instructor: Joseph Peregrin

**DECOR-GREAT:** Campers design and build a miniature bedroom as they learn basic architectural concepts and how to create 3D floor plans with Autodesk software. Instructor: Wanda Yohn

**ENERGY EXPLORERS:** Campers explore environmental science principles as they team up to conduct fun experiments that explain how traditional and alternative energy sources are harnessed to power our world. Instructor: Jim Bennett

**EPIC ELECTRONICS:** Campers delve into the inner workings of consumer electronics as they learn to solder while creating circuits that set off flashing lights, sirens and more. Instructor: Tom Lesisko

**FREEZE FRAME:** Campers learn to use a DSLR camera and build a miniature portfolio. Along the way, they have fun with action photography, light painting, Photoshop and more. Instructor: David Aretz

**LIGHT IT UP:** Campers learn about series and parallel circuits as they pair LEDs with coin-cell batteries to create origami fireflies, twinkling pinwheels, glow-in-the-dark jewelry and more. Instructor: Lori Dreisbach

**MINI MOVIE MAKERS:** Campers explore the art of digital storytelling as they use specialized software to create short films about their dream vacations and other topics. Instructor: Elaine Beam **SESSION 1 ONLY**

**SCIENTIFIC BEAUTY:** In between spa treatments, campers conduct experiments that reveal the science behind beauty secrets, answering questions like, “How does heat both straighten and curl hair?” Instructor: Heather Post

**SUPER SLEUTHS:** As they lift fingerprints and collect other crime scene clues, campers learn how forensic science helps investigators answer the quintessential question, “Whodunit?” Instructor: Melanie Hoderewski

**SWEET SMARTS:** Cookies and cupcakes are on the menu of tempting treats campers whip up while learning about the role science plays in making our favorite foods delicious. Instructor: Sam Kennerly

**WOODEN WONDERS:** Woodworking is a timeless skill and campers learn the basics, using hand and power tools to build a train whistle, a birdhouse and other projects. Instructor: James Geist **SESSION 1 ONLY**