

COURSE DESCRIPTIONS

HI-TECH GADGETS & GIZMOS/ELECTRONICS: "Hey what's inside our CD and DVD players that makes them work?" This course unravels the mysteries of electronics through basic theory and hands-on experience and the construction of a working circuit.

HISTORY BUFF: To truly appreciate history, you must live it. This summer, experience a 19th century Civil War camp. Come and join us as we take a fun and exciting walk through one of the most chaotic and interesting time periods in America. As a camper, you will learn basics about some of the most bloody battles, the heroic leaders, and life on the fields during the American Civil War.



****IRON CHEF/CULINARY ARTS:** Every kid likes to eat, but what parent likes to constantly be stuck in the kitchen? This course will give you the skills needed to make your own snacks. You will learn basic kitchen safety, as well as measuring and mixing techniques. Campers will also learn various cooking techniques, which will include baking, making "quick fests" and preparing no-cook projects.

****JUNIOR GEEK SQUAD IN TRAINING/COMPUTER MAINTENANCE:** There's a lot more to computers than gaming and blogging. Learn what makes them work – or more importantly – what to do when they don't work. Campers will cover topics like what is a processor and what does it do; how RAM remembers; and what "wireless electricity" does without wires. Campers will also explore networking and the Internet.

MECHA-TRONICS: Do you want to learn how motors and robots work? You can connect, test and operate electrical and mechanical controls and see our robots working on an assembly line.

NANNY 911/CHILD CARE: Keeping small children occupied and safe all day is a big challenge, and this course can help teach you how. Campers will learn the basics of child care, child safety and basic teaching skills including art, the alphabet and other thematic activities that are age appropriate. Campers do not have access to the on-site day care facility.

*** NASCAR PITS/AUTO TECHNOLOGY:** Want to learn the basics of car maintenance? Campers will learn about detailing a car, as well as changing a tire, changing oil and lubricating the engine. Campers can even learn the specifications of their favorite type of car. *(Wear old clothes)*

*** RESCUE 911/MEDICAL SERVICES:** Campers will perform activities in basic first aid and the Heimlich maneuver, nutrition and learning the new food pyramid, learning about many different types of health careers, how to take a pulse, the proper way of hand washing and other first aid procedures.

SLEEK FINISHES/AUTO BODY: If all you ever talk about is cars, cars, and more cars, then this is the course for you. Campers will get hands-on experience with sanders, spray guns and paint materials. They will paint and customize a design on a panel and learn to use auto body tools and fillers to repair a dent. *(Wear old clothes)*

MADE IN AMERICA: Each camper will create their own rotating sprinkler from start to finish, while learning to measure, cut, and solder copper pipes. Campers will get to use power drills, acetylene torches, pipe cutters, and various hand tools from the Electrical, Plumbing, and HVAC trades.

THE APPRENTICE/MARKETING: Kids love those catchy television advertisements for soda, sneakers and fast-food restaurants, and now they have an opportunity to find out how an advertising agency decides on what type of ad to do. Campers will create their own marketing plans and develop a series of paper designs for an advertising campaign.

THE BRICKYARD/MASONRY: How many kids can say they have built a brick wall or laid ceramic tile? Not many, but you will be able to do that and a lot more after taking this course. *(Wear old clothes)*

****TRADING SPACES DESIGNS/INTERIOR DESIGN:** Have you ever wanted to redesign your bedroom? Well here is your chance. Campers will use Architectural Desktop, magazines, and variety of materials to create a model design. *(Shoebbox required)*

***ULTIMATE GRAPHIC DESIGN & SIGN MAKING:** Campers will learn how to operate the Nikon D40 digital camera, morph their pictures using Adobe Photoshop, and use Illustrator to make logos. In addition, campers will have the opportunity to put their photos onto mug and have their logos made into a sticker.

WACKY SCIENCE EXPERIMENTS: Math and science can be fun, and this course will show you the tricky, sloppy, messy ways you can make a variety of experiments, while learning more about math and science.

****WEB OF THE FUTURE/WEB DESIGNING:** Campers will learn to build web pages with professional development tools like Dreamweaver, Photoshop, and JavaScript. Campers will also develop their own website using traditional HTML development and custom graphics.

*** Meets requirements for Boy Scouts of America merit badge, **Meets partial requirements for Boy Scouts of America merit badge**

*Partially funded by the PA Dept. of Community & Economic Development
Printed on LCTI's Heidelberg SMS2-5 printing press by Printing Technology & Graphic Imaging program students.*

