2018 - New and Most Popular Classes

Raspberry Pi computer with Raspbian and KODI

Prerequisite: None
Duration: 7.5 hours of training

This class will cover the latest Raspberry Pi Model. The Raspberry Pi is a low cost, credit-card sized computer that plugs into a computer monitor or TV and uses a standard keyboard and mouse. It's capable of doing everything you'd expect a desktop computer to do, from browsing the Internet and playing high-definition video, to making spreadsheets, word-processing, and playing games. This class also covers the LibreElec OS enabling you to run the popular KODI media streaming software and showing you how to stream movies, music, TV, and pictures. Attend this class to see the Raspberry Pi uses. Raspberry Pi systems will be provided in classroom for those who wish not to purchase one.

Introduction to Computer Programming using Python language With your Raspberry Pi or Computer

Prerequisite: None
Duration: 12.5 hours of training

This course introduces you to programming using the Python programming language which is one of the most popular programming languages worldwide. The course shows you how to use the your Raspberry Pi or free open-source PyScripter IDE for Python to write basic programs using concepts such as functions, variables, If Else statements, loops, and algorithms. This course will be of great interest to all learners who would like to gain knowledge and understanding of the basic components of computer programming using the Python language.

Raspberry Pi Robot

New

Prerequisite: Raspberry Pi class or equivalent knowledge of Raspbian
Duration: 12.5 hours of training

This fun class will introduce you to the world of Robotics. Using a Raspberry Pi and robot kit we will learn a set of instructions in Python code that tell the robot how to move. Use this project as a starting point for your own amazing Raspberry Pi robot projects! You could add sensors to detect objects around the Pi, add a camera to get a robot's eye view of the world, or even connect the robot to web services that control its actions--there's almost no limit to what you can do when building a robot!

Christmas Lights using Raspberry Pi

Prerequisite: Raspberry Pi class or equivalent knowledge of Raspbian
Duration: 7.5 hours of training

When the holidays approach you may want your Christmas decorations to stand out from the rest of your friends and family. This class will teach you how to use your Raspberry Pi to program Christmas Lights connected to a controller and your Pi to change blink, or change colors, and adjust to music or to a timed sequence. We will learn how to program Christmas Lights with your Pi and controllers. You will learn what lights, controllers, and programs to purchase and use with the Pi to make this all happen.

Android TV Box with Kodi

Prerequisite: None
Duration: 7.5 hours of training

The Android TV Box 4K turns your TV into a fully featured "smart" device. Anything a modern smartphone or tablet can do, now your TV can do it too and do it better. Stream content from Netflix, YouTube, Skype, Amazon Video, and many others as well as play games, and download from the Google Play Store. This 2Ghz 64bit Quad Core Android box supports Wi-Fi, has full HD 4K and 1080p output, and supports multiple external devices. This Android box puts both Apple TV and Mac Mini used to run Kodi to shame. We will learn how to update and upgrade apps and Kodi on this box. Android TV Box systems will be provided in classroom for those who wish not to purchase one.

Amazon Fire Stick with Kodi

Prerequisite: None
Duration: 7.5 hours of training
Fire TV Stick connects your HDTV to a world of online entertainment. You get a huge selection of movies and TV episodes, and voice search capabilities. In this class we will learn how to install the KODI app on the Fire Stick to gain access to thousands of more streaming selections. Fire Sticks will be provided in classroom for those who wish not to purchase one.

Google Home Mini

Prerequisite: None
Duration: 2.5 hours of training

Google announced a smaller companion to its Google Home smart speaker, called the Google Home Mini. The device is very much like Amazon's Echo Dot: it takes Google's voice-controlled Alexa competitor, Google Assistant, and packs it into a smaller, quieter, and less expensive form factor. In this class you will learn how to interact with the Google Home Mini's assistant, play music, get information, control other smart home devices and more. Google Home Mini systems will be provided in classroom for those who wish not to purchase one.

3D Printing 101

Prerequisite: None
Duration: 10 hours of training

This class will take you through the essentials of 3D printing. We will explore 3D printer hardware and its print process, and examine the software that enables you to create, modify, and print 3D models. You will also get some insights into 3D scanning technologies and what is coming up in the world of 3D printing. We will use free software and free apps that let you create 3D objects ready to print.

Wireless Security Cameras Mini Course

Prerequisite: None
Duration: 6 hours of training

Security has become a major concern for anyone who is leaving their home unattended for extended periods of time such as vacation. Regardless of whether you go out daily or even if you're out for longer periods of time, the questions of security is always important. This class will explain wireless security camera selection and installation. Are you ready to experience great security camera system features for an affordable price?

Wireless Alarm Security Systems Mini Course

Prerequisite: None
Duration: 6 hours of training

The types of Alarm Security Systems can drastically differ in price, features, and quality. In this class we will compare and setup/install different types of wireless home-security systems. This class will help you find the wireless system that best fits your household or business needs. Purchasing your own home or business security systems, allows you to bypass the monthly fees if you use a non-monitored system. We will show you how to save in monthly fees for a monitored system.

Cut the Cable! Build Your Own Digital TV Antenna

Prerequisite: None
Duration: 2 hours of training

Cable bills busting the budget? You may be missing out on free TV. Using scrap wire with stock lumber, build a slick homemade antenna and stay tuned. We have been able to catch over 30 channels with this antenna you can build in class. Come and build your own digital TV antenna and see what you are able to watch on TV for free rather than paying those monthly cable bills.

Setup HD Video Recorder and Record with a TV Antenna for Free

New

Prerequisite: None
Duration: 2.5 hours of training

You will learn to setup a DVR converter box and record over the air antenna stations onto a USB stick. You will be able to record your favorite over the air tv shows, Schedule series recordings in advance and view recordings and skip commercials just like a normal DVR for Free.
No internet connection needed just plug box onto antenna and TV and setup recordings by viewing an over the air tv guide and view whenever you're ready. Recordings are stored on USB memory stick and allows you to even watch on computer/laptop. DVR converter boxes will be provided in classroom for those who wish to not purchase system.

Sublimation Printing

Prerequisite: None
Duration: 7.5 hours of training

Sublimation printing is the method of applying an image and sayings to specially coated hard surface items such as ceramics, metals, fiber board and polyester cloth, using three main ingredients: sublimation ink, heat and pressure. In this class you will learn to use software to prepare your photo for the sublimation process and to use the special equipment required for the sublimation coating process. Come to class and bring your picture and/or phrase and choose an item such as a mug, picture frame, mouse pad, t-shirt, license plate, keychain as well as many other items to make as a gift, memento, or promotional items.

Vinyl Cutting

Prerequisite: None
Duration: 7.5 hours of training

In this class we will learn how to computer design vector files with graphics, patterns and letters and use a vinyl cutter to directly cut on vinyl. A vinyl cutter is a machine that is used for making signs, banners, advertisements for automobiles and vans, and apparel decoration. While these machines were designed for cutting vinyl, they can also cut through computer and specialty papers, as well as thicker items like thin sheets of magnet.

Come to this class and find out how you can heat press vinyl on apparel along with learning about the many different types of vinyl products and their specific uses.

Our main concentration will be heat press and adhesive vinyl.

This class along with the sublimation class can become a great part-time or full-time advertising business.

Laser Engraving

Prerequisite: None
Duration: 7.5 hours of training

In this class we will learn how to computer design images, patterns and letters and use a laser engraver to directly engrave your design on wood, leather, plastic, metals, fabric, marble and glass. Come to this class and find out how to laser engrave your designs.

This class along with the sublimation and/or vinyl cutting class can become a great part-time or full-time promotion/advertising business.

Here are just a few ideas to start a business:

- Gifts: photo albums, etched glasses
- Photo Engraving: family memories on marble and glass
- Signage: Create custom signs in wood and acrylic
- Create custom ceramic tiles for your home or to sell
- Create custom engraved metal and wood plaques