

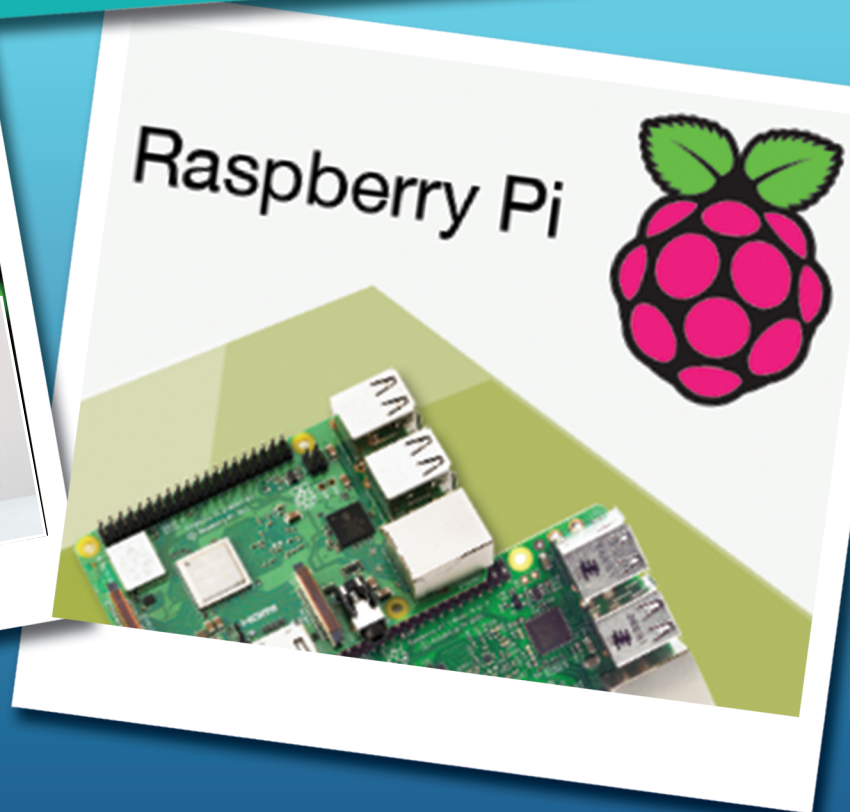
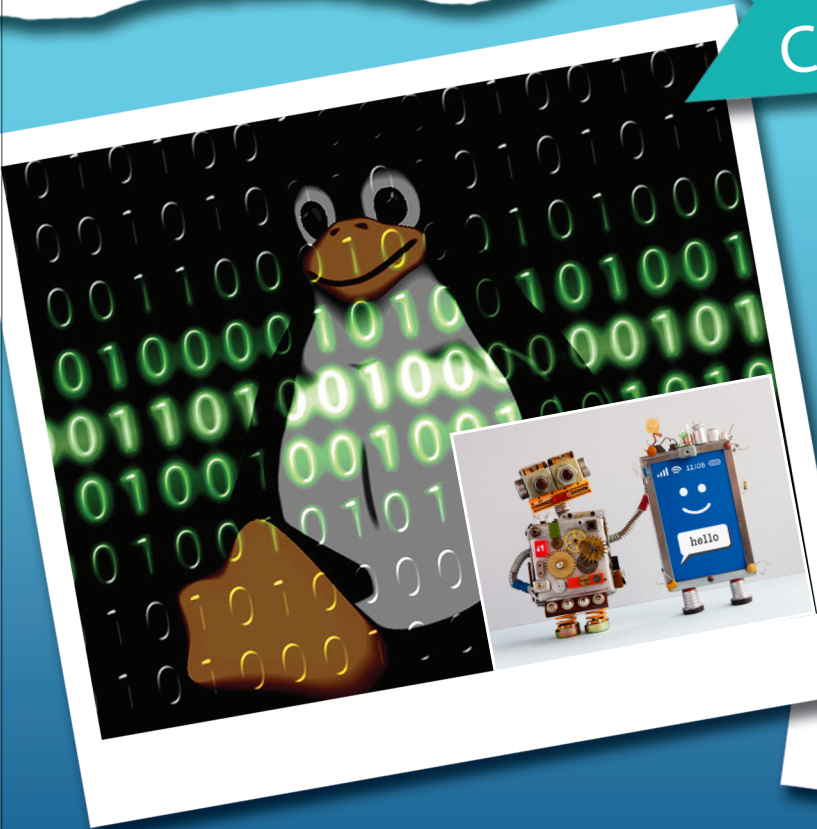


\$479
Per Week

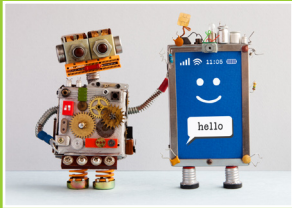
CYBERWARRIORS

Coding & Automation Experts STEM Workshop

13 Years and Up
CONTACT US • 703.554.3827



Hands-on Raspberry Pi projects,
Linux lessons, Robotic Process
Automation (RPA), 7-Segment LED,
Mine-craft and so much more.



Agenda:

Day 1

Linux 101

- Passive Information Gathering
- Active Information Gathering
- Vulnerability Scanning
- Working with Exploits
- File Transfers
- Privilege Escalation

Day 2:

Linux 101

- Client Side Attacks
- Web Application Attacks
- Password Attacks
- The Metasploit Framework
- Bypassing Antivirus Software
- Assembling the Pieces: Penetration Test Breakdown

Day 3:

Linux 101 - The Hackathon

Day 4:

RPA

- Introduction
- Recording
- Advanced UI Interaction
- Selectors
- Image & Text Automation
- Excel & Data Tables
- Email Automation

Day 5:

RPA

- Debugging & Exception Handling
- Project Organization
- The Big RPA Showdown with Voice Assistant

Linux powers 94% of the world's super computers, most of the servers powering the Internet, the majority of financial trades worldwide and a billion Android devices. In short, Linux is everywhere. It appears in many different architectures, from mainframes to server to desktop to mobile and on a staggeringly wide variety of hardware.

Robotic process automation (RPA) is the use of software with artificial intelligence (AI) and machine learning capabilities to handle high-volume, repeatable tasks that previously required humans to perform. These tasks can include queries, calculations and maintenance of records and transactions.

Linux & RPA Course Overview

1. Introduction to Linux
2. Getting Started
3. Work Effectively on the Unix Command Line
4. Perform Basic File Management
5. Search Text Files Using Regular Expressions
6. Create, Monitor, and Kill Processes
7. Modify Process Execution Priorities
8. Advanced Shell Usage
9. File-system Concepts
10. Create and Change Hard and Symbolic Links
11. Manage File Ownership
12. Use File Permissions to Control Access to Files
13. Create Partitions and File-systems
14. Control File-system Mounting and Unmounting
15. Introduction to RPA
16. Recording
17. Advanced UI Interaction
18. Selectors
19. Image & Text Automation
20. Excel & Data Tables
21. Email Automation
22. Debugging & Exception Handling
23. Project Organization



The Raspberry Pi is a wonderful little computer that fits in the palm of your hand, yet packs enough power to run your home media center, a VPN, and a lot more.

Raspberry Pi Course Overview

- 1. Basic Commands** - Students create, delete, and move files via command line
- 2. Camera** - Students learn to operate the Raspberry Pi camera
- 3. Audio** - Students learn to configure the Raspberry Pi to play sounds
- 4. Circuits** - Students learn electrical theory, including concepts with resistor and LED circuits
- 5. Python** - Students learn coding structures and styles of Python

Agenda:

Day 1

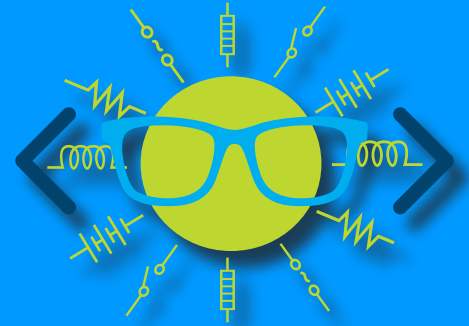
Introduction and Install Raspberry Pi and NOOBS

- Students introduce themselves to their peers and instructor(s) and share their previous knowledge of programming and electronics
- Students set up the operating system on their Raspberry Pi's with Raspberry Pi's New Out Of Box Software (NOOBS)
- Students take additional steps to prepare the SD card
- Students make small changes for optimal use
- Students learn to navigate through directories and add, move, and delete files

Day 2

Security Camera

- Students learn to use the Raspberry Pi camera
- Students learn to use the Face Detection and Photobooth
- Students create code that can recognize facial features and create virtual props



Day 3

7-Segment LED

- Students work with and illuminate a 7-segment LED
- Students enter a line of text, and the seven segment display will show each of the letters

Day 4

Pie Man

- Students create a game based off of the classic game Pac-Man

Day 5

Minecraft Maze Maker

- Students generate and explore a maze in Minecraft using Python

About Intellectual Point

Intellectual Point is a leading IT training, consulting and workforce development company. Our courses are designed with an emphasis on learning-by-doing to prepare busy professionals with the skills and certifications needed to be successful in the IT industry.

Our areas of expertise include: Cyber Security & Cloud Computing; Networking, Wireless and Data Center; Big Data; IoT & Data Science; Project Management; Agile; DevOps & ITSM; Artificial Intelligence & Machine Learning; Deep Learning & Cognitive Computing.

We take pride in helping future professional get started and learn the basics. We provide free Digital Natives Meetups to help the community learn. We also help at other community events.

Camp Information

Location: Intellectual Point

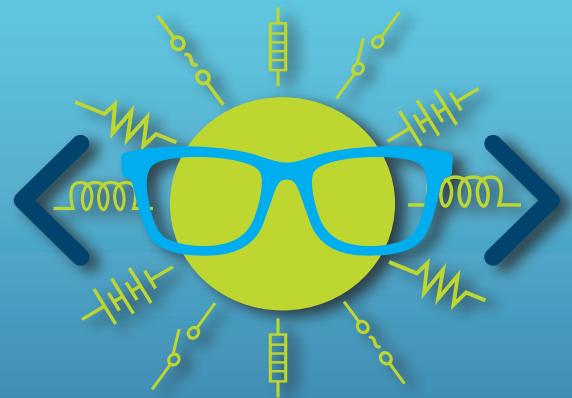
46175 Westlake Dr. # 240 Sterling,
VA 20165

Hours: 9 am - 3:30 pm

(Pick-up is no later than 4:00 pm. After 4:00 pm will be \$100 per hour.)

Lunch: Each camper needs to bring a lunch. (Intellectual Point will provide water and snacks)

Free: Each Camper will get a camp t-shirt and the use of a computer during camp.



Join us for hands-on fun that
will keep your kids learning!

Sibling 5% Discount! Use Promo Code: Sibling5

www.intellectualpoint.com/stemworkshop

Camper # 1

Name: _____

School Grade: _____

Date of Birth: _____

Shirt Size (Y XS- Adult L) _____

**Each camper receives one t-shirt with camp registration.
Additional shirts are available for \$15 each.*

Camper # 2

Name: _____

School Grade: _____

Date of Birth: _____

Shirt Size (Y XS- Adult L) _____

**Each camper receives one t-shirt with camp registration.
Additional shirts are available for \$15 each.*

Camp Week

☐ **Week 1 • LINUX 101 & ROBOTIC PROCESS AUTOMATION (RPA) • \$479**

Intellectual Point, 46175 Westlake Dr. #240 Sterling, VA 20165 • 9:00 am- 3:30 pm

☐ **Week 2 • RASPBERRY PI • \$479**

Intellectual Point, 46175 Westlake Dr. #240 Sterling, VA 20165 • 9:00 am- 3:30 pm

Total Cost

Camp Tuition: \$479 per week Extra Shirt: \$15

Total: _____

**Payment Policy. One week's tuition is due at time of enrollment. We will charge a \$25 late fee if payment is not received by 12pm Tuesday.*

Payments can be made
at www.intellectualpoint.com
or call our Office at 703-554-3827

Sibling 5% Discount! Use Promo Code: Sibling5

www.intellectualpoint.com/stemworkshop

Camp Registration Form

Camper Information

Camper's Name _____ ☐ Male ☐ Female

Address _____ City _____ State _____ Zip _____

Camper's Birth Date _____ Grade in the Fall _____

Parent/Guardian 1 _____ ☐ Male ☐ Female Cell # _____

Email Address _____ Employer _____

Parent/Guardian 1 _____ ☐ Male ☐ Female Cell # _____

Email Address _____ Employer _____

Child in custody of (Please check one) ☐ Both Parents ☐ Mother ☐ Father ☐ Other _____

Child lives with (Please check one) ☐ Both Parents ☐ Mother ☐ Father ☐ Other _____

Medical Information

Family Physician _____

Address _____ City _____ State _____ Zip _____

Medical/Hospital Insurance Carrier _____

Health/behavioral conditions or problems we need to be aware of _____

Child Release Authorization

In addition to Parent/Guardian names listed above, these person(s) have permission to pick up my child from camp. I understand that my child will not be allowed to leave with any person without authorization from Parent/Guardian, and the person picking up my child will need to show identification.

Name _____ Relationship _____

Address _____ Phone # _____

Name _____ Relationship _____

Address _____ Phone # _____

Parent Authorization/Medical Release: The information provided is correct to the best of my knowledge, and the person described has my permission to engage in all prescribed camp activities, except if noted by me. In the case of sickness or accident, I hereby give permission to the medical personnel selected by the camp representative to order x-rays, routine tests, treatment, dental work, and necessary transportation for the recipient at my expense. In the event that I cannot be reached in an emergency, I hereby give permission to the physician selected by the camp representative to secure and administer treatment, including hospitalization, for my child as named above. This form may be photocopied for use away from the main program site. All photos that are taken of my child may be used for promotional purposes.

Parent/Guardian Signature: _____ **Date:** _____