

# Locations, Dates and Times

## Kinston-Lenoir County Public Library

Tuesdays @ 4:30 PM

### Oct. 5

Introduction to Virtual Reality  
Osmo Coding Jam

### Oct. 19

Raspberry Pi Intro  
3D Printing Showcase

### Nov. 2

Cricut  
Scratch

### Nov. 16

Raspberry Pi Sensors  
VR Storytelling

### Nov. 30

3D Modeling  
Cricut

### Dec. 14

Coding with Minecraft  
3D Modeling with VR

## Comfort

Nov. 4 - 2:00 p.m. - VR Demo

## Greene County Public Library

Oct. 13 - 4:00 p.m. - VR Demonstration

Oct. 28 - 4:00 p.m. - 3D Printing Demo

Nov. 10 - 4:00 p.m. - iPad Art Demo

Nov. 24 - 4:00 p.m. - Cricut Demo

Dec. 15 - 4:00 p.m. - VR Demo

## Maysville

Oct. 7 - 3:30 p.m. - 3D Printing Demo

Dec. 9 - 3:30 p.m. - VR Demo

## La Grange Public Library

Oct. 27 - 4:00 p.m. - VR Demonstration

Nov. 10 - 4:00 p.m. - GarageBand

Dec. 8 - 4:00 p.m. - Cricut Demo

## Maysville

Oct. 7 - 3:30 p.m. - 3D Printing Demo

Dec. 9 - 3:30 p.m. - VR Demo

## Pink Hill Public Library

Oct. 12 - 3:30 p.m. - Coding with Minecraft

Nov. 23 - 4:00 p.m. - VR Demo

Dec. 7 - 4:00 p.m. - Boe Bot Coding Demo

## Pollocksville

Oct. 7 - 2:00 p.m. - 3D Printing Demo

Dec. 9 - 2:00 p.m. - VR Demo

## Trenton

Nov. 4 - 3:30 p.m. - VR Demo

# Descriptions

## **Early (Block Based) Coding (K-6)**

### ***Osmo Coding Jam***

Use Osmo equipment and apps to demonstrate to young patrons the basics of how coding works and how a list of coding instructions results in events on the screen.

### ***Scratch***

Use the online coding resource Scratch to demonstrate to young patrons the basics of how coding works and how a list of coding instructions results in events on the screen

### ***Programming for Minecraft***

Show young patrons how individuals can set up their own code to change the environment in a Minecraft game, demonstrating how anyone can use code to make changes.

## **More Advanced Coding/Raspberry Pi (Teen)**

### ***Raspberry Pi Intro and Python***

Show young patrons what a Raspberry Pi is and how it can be used to learn the Python coding language.

### ***Raspberry Sensor Showcase***

Use a Raspberry Pi breadboard and LEDs to show young patrons how code interacts with physical parts

### ***Robotics with Boe Bot***

Use the Boe Bot kit to give participants a firsthand view of how robots are controlled

## **3D Printing and Modeling (all ages)**

### ***3D Printing Showcase***

Share real life examples of objects created with a 3D printer, including video game equipment, statuettes, and costumes.

### ***3D Modeling***

Show how online CAD software works and give a demonstration of how young patrons can get started making their own 3D models.

### ***VR Headset Modeling***

Show how Virtual reality and accompanying software can be used to do real time 3D modeling in a virtual space.

## **Miscellaneous (all ages)**

### ***Introduction to Virtual Reality***

Increases young patrons' exposure to virtual reality technology and shows them how controls in virtual reality work.

### ***GarageBand***

Show young patrons how songs can be created using GarageBand quickly and simply by reproducing a song in real time.

### ***iPad Art***

Show young patrons how iPads can be used to create art in a similar fashion to traditional paint and other media, or using more advanced digital techniques.

### ***VR Storytelling***

Give participants an immersive experience with VR documentaries that explore different, historical, geographical, or literary topics.

### **Cricut**

A demonstration of how the cricut machine can make various personalized items.