



# APS Let's Code!

Kenmore Middle School 11/30/2023 5:30-8:30pm

## What is the purpose of the hour of Code?

The Hour of Code started as a one-hour introduction to computer science, designed to demystify "code", to show that anybody can learn the basics, and to broaden participation in the field of computer science.



# Door Prizes throughout the event!

- Tacto Game
- Encore Theater Tickets
- Spy Museum Tickets
- Scramble tickets
- Movement Gym tickets
- Creative Cauldron Theater Tickets



Career and Technical Education



**Join us for an electrifying evening of coding and creativity at APS Let's Code! On November 30th, from 5:30 p.m. to 8:30 p.m., our Hour of Code event will come alive with tinkering booths and captivating sessions led by KID Museum and Boolean Girls. For the full list of sessions and more event details, please visit our webpage. Plus, don't miss the enthralling performance by Dr. Sharon Gaston!**

**But that's not all – we've got thrilling door raffles lined up, featuring fantastic prizes generously donated by Spy Museum, Scramble Indoor Play, Encore Stage and Studio, and many more.**

**Mark your calendars and be part of this unforgettable coding extravaganza!**

# Tinkering Sessions



**Career and Technical Education**

# Boolean Girl

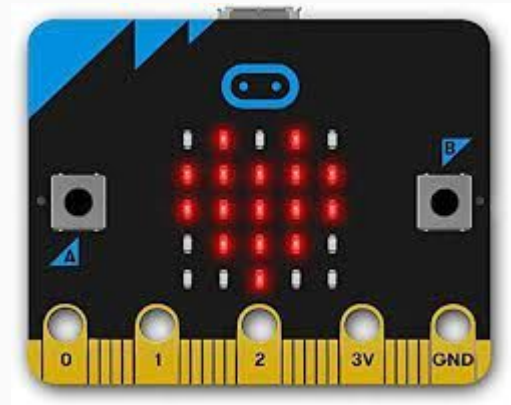
**Get to know micro:bit an award-winning programmable device that allows students to get hands-on with coding and digital making. Program a micro:bit to react to movement, make sound, play a game, and much more. Micro:bits are a lot of fun and easy to program**

**30 minutes sessions**

**Two sessions: 7:00-7:30pm and 7:35-8:05pm**

**Room 265**

**Grades 3rd-8th**



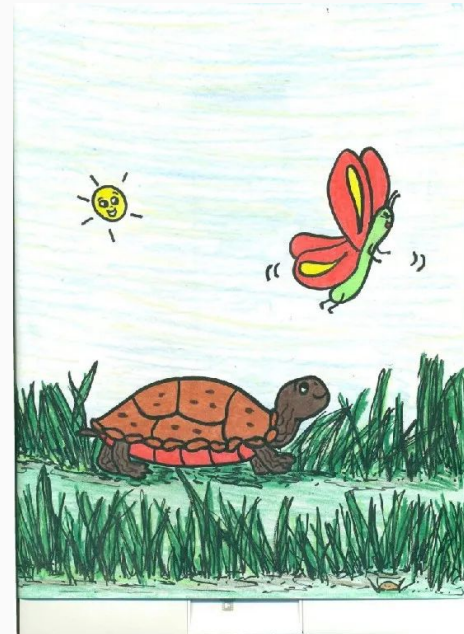
# Ted Turtle's Computational Adventure: A Journey to Find Home

**5:30-6:00 Storytime**

**6:00-6:30 Activity**

**Grades PK-3rd**

**Library**



# Coding in Early Years: Attack of the Beebots

**Bee-Bot is an exciting robot designed specifically for use by young children. This colorful, easy-to-operate, and friendly little robot is a perfect tool for teaching counting, sequencing, directionality, problem-solving, estimation, and just having fun!**

**Session Duration 6:00-6:20, 6:25-6:45**

**Room 259**

**Grades K-2nd**





# Inventor for a Day

**Individually or in groups of two, attendees (10 years old and up) will explore littleBits basics and inventing with Fuse. Attendees will be able to create circuits with littleBits, create and modify code with Fuse and load it onto their codeBits. Join us to invent a self-driving car, a security device or a brand new invention of your own!**

**Session Duration: 7:00pm-8:15pm**

**Room capacity: 20 attendees**

**Room 259**



# Sphero Robot Challenges

**Students will discover how to control Sphero Robots through the use of coding. There will be three different levels of challenges that they can try to accomplish.**

**Grades 3rd-12th**

**Room 258**

**6:00pm-8:30pm**

**Ongoing Session**



# STEM Outreach (MDA/HR/DV): Coding Bracelets

**Participants will determine how their first and last initial translates into binary code. Then, they will use black and white pop beads to create a bracelet of their initials in binary.**

**Two sessions**

**30 minutes each**

**Grades 4th-5th**

**Room 213**



# MyPy Coding

**Equipping your kids with the skills of the 21st science: an intro to coding. With the quickly digitizing world around us, having a basic computer science knowledge is imperative, especially for the new generations. But, 5 out of 10 schools across the nation don't even offer a basic computer science class. MyPy Coding is a nonprofit organization dedicated to making learning to code more accessible through free, one-on-one, online coding lessons for students in grades 2-8. We offer project-based curriculums in Python, Scratch, and Web Development. The project-based nature of our sessions ensures that students break down problems algorithmically and apply their skills in interactive games, artwork, and more. Join us for an interactive discussion for both adults and kids explaining more about MyPy Coding's free-of-charge coding lessons and the benefits of learning early.**

**Grades 3rd-4th**

**Room 261**

**7:30pm-8:30pm**

# VR & AR

**Virtual Reality (VR) and Augmented Reality (AR)! These groundbreaking technologies have burst into the world of education. This “Hour of Code” session will show you basic skills and understandings of VR/AR and how the technology can be used in your classrooms.**

**Grades 1st-12th  
Room 251  
Ongoing Session**



# Wakefield Coding Club

**Sphero Robot Challenges**

**Grades K-2nd**

**Room 269**



# Tinkering Booths and Informational Booths



**Career and Technical Education**

# CTE: Career Technical Education

**Information booth about Arlington Public Schools CTE programs.**





# Girls Who Code

**Girls Who Code is a non-profit working towards changing what a programmer looks like and does. Stop by our booth to learn more about our free computer science resources for 3rd-12th graders and join in on our hands-on activity by coding the video game character you want to see at "Girls Who Code Girls".**

# DHMS Boolean Coding Club

**How to Start a Coding Club at your school**

# KID Museum: Ozo Navigation

**Visitors will practice coding using the Ozobots by completing a series of different tracks! Visitors can use the color sensor to code or practice block coding on iPads.**

# NOVA SySTEMic

**Tinkering Session**

**3rd-4th Grade**

# Amazon Future Engineers

**Informational Session**

**High School Students**

# Amazon & Rosie Riveters

## **The House that CS Built**

**Blend art and tech as kids illuminate hand-drawn houses using LEDs, unraveling the secrets of algorithms and electrical signals in an engaging, creative exploration of computer science fundamentals.**