

DVR IT Committee Agenda

November 15, 2022

West Leyden High School, Eagles Wing

1:00 - 2:30 pm

- I. Introductions
- II. Conference or Webinar Attendance Sharing - Past and Future?
 - A. [NICE K12 Cybersecurity Conference](#)
- III. New Triton Developments/Possible Dual Credit Update/Information (Michael)
 - A. Certification Dual Credit (Leyden)
- IV. Coding/Programming/Video Game Design Updates/Ongoings
 - A. [Move from Raspberry Pi to Adafruit \(Leyden\)](#)
 - B. [Move from Fusion to GameGuru \(Leyden\)](#)
 - C. Anyone use [micro:bit](#) and free curriculum from [Parallax](#)?
 - D. OTHER?
- V. Cybersecurity Updates/Ongoings
 - A. [Cyber.org](#) & [US Cyber Range](#) Update (Leyden)
 - B. IBM Work Based Study Opportunity (Leyden) [Folder](#)
 - C. [Investigation of Computer Forensics introduction](#)
 - D. OTHER?
- VI. Certification Ongoings
 - A. New Certiport Certifications (Data, Cloud Computing, Software Dev.) (Leyden)
 - B. OTHER?
- VII. [Cyberstates Report](#)
- VIII. [Fastest Growing Tech Jobs in 2022](#)

- IX. High school to career (non-college bound)
 - A. Example success stories?
 - B. Resources/Contacts?
- X. What do YOU want these meetings to look like? What would be most beneficial to you?
- XI. Other
- XII. Adjourn

In Fall of 2021, we purchased 30 of the Adafruit Circuit Playground Express. They are an updated version of a previous larger model. Using JavaScript (text or block code) in Microsoft MakeCode, students program different patterns of sound and light.

Projects include...

- 1) Make a police siren (alternate red/blue lights with siren noise)
- 2) Recreate your favorite song (students have to recreate a small portion of their favorite song using JavaScript)
- 3) Tilt trumpet (students change pitch with a front to back tilt and change volume with a left/right tilt)
- 4) Ping pong launcher - students use code to power a small spindle motor attached to rubber grip wheel to grip ping pong balls and launch them