

## CYBERCAMP INSTRUCTIONAL ACTIVITY SCHEDULE

School Division(s): Pittsylvania County School: STEM Academy

Camp Begin Date: June 6, 2016 Camp End Date: June 23, 2016 Days of Week: M, T, W, TH

Daily Instruction Begin Time: 8:30AM Daily Instruction End Time: 3:30PM Specify alternate schedules below

Lunch Period (begin/end): 11:45am-12:15pm Total instructional hours including guest speaker(s) field trip(s) and culminating

Enrollment 35 (four on waiting list) activity: 72 hours

WEEK 1 -- JUNE 2016				
Monday 6/6	Tuesday 6/7	Wednesday 6/8	Thursday 6/9	Friday
*Introduction to cybersecurity and learning experiences during the camp; *Pre-test *NSA Day of Cyber *Liberal Arts – Intro to humanities *Intro to Cyber Society *PowerPoint on Cyber Citizenry(Cyber01 PP) Timed writing activity on A World without Electrical Power. If time, Cyber02, Presidential Cyber Platform. Discussion	*Electricity-circuits, battery build, flashlight build *Begin Boe-Bot Build Hello World *Continue with Day of Cyber Activities, debate, roundtable discussion *Create VA Wizard account *Youtube video of world without power. Round Robin story on a world without electric power *Dragon Day video about a Cyber Attack in America 14:45 (1 p.m. Speaker: DCC)	Transportation: Field Trip to Institute for Advanced Learning and Research, and Chatmoss Cable Company; Lunch  (Leave 8:00 a.m. Return 1p.m)	*Guest Speaker-Edward Wilborne, CIO-Gamewood Technology Group (8:30am-9:30am)-Cyber ethics; cyber business  *Guest Speaker-Mr. Michael Church, VP of Operational Risk, American National Bank-(12:30pm-1:30pm)- Cyber ethics; cyber business *Ethics, Malware, & Network Attacks (Cyber06 PP) Discussion about “sniffers”/malware & usage; concealing identity	<b>Camp Not In Session</b>

**WEEK 2 -- JUNE 2016**

<b>Monday 6/13</b>	<b>Tuesday 6/14</b>	<b>Wednesday 6/15</b>	<b>Thursday 6/16</b>	<b>Friday</b>
<p>*Continue with Boe-Bot Build, Crack the Bank Safe with coding *Cyber Ethics</p> <p>*Current Events Project (Cyber04 PP) Read &amp; analyze articles about current events relating to cyberspace and grid attacks. Create poster or PowerPoint to share.</p>	<p>*Check servos PULSOUT (challenge – staying on lines) *Navigation Chapter 4 (challenge triangle, circle, parallel park, square, Angles, maze) Subroutines</p> <p>*Cyber Law</p> <p>*Search Warrant Activity (LA06-Search Warrant Scenarios) 4th amendment</p> <p>*Anonymous Group Video Youtube Hacker Wars</p> <p>Transportation for the other 15 students: (Leave 8:00 a.m. – 3:30 p.m.) *Field Trip to tour and hands-on demonstrations at SVHEC South Boston, VA, lunch, Microsoft Data Center, Boydton, VA-Tour facility – risk mitigation measures</p>	<p>*Check servos PULSOUT (challenge – staying on lines) *Navigation Chapter 4 (challenge triangle, circle, parallel park, square, Angles, maze) Subroutines</p> <p>*Cyber Law</p> <p>*Search Warrant Activity (LA06-Search Warrant Scenarios) 4th amendment</p> <p>*Anonymous Group Video Youtube Hacker Wars</p> <p>Transportation for the other 15 students: (Leave 8:00 a.m. – 3:30 p.m.) *Field Trip to tour and hands-on demonstrations at SVHEC South Boston, VA, lunch, Microsoft Data Center, Boydton, VA-Tour facility –risk mitigation measures</p>	<p>*Guest Speakers- Michael Price, Senior Information Security Officer (SISO) for Defense Commissary Agency (DeCA) and team</p> <p>Transportation: all day field trip (Leave 9:00 a.m. DCC – Lunch – DCC – STEM Return 2:00 p.m.)</p>	<p align="center"><b>Camp Not In Session</b></p>

**WEEK 3 -- JUNE 2016**

<b>Monday 6/20</b>	<b>Tuesday 6/21</b>	<b>Wednesday 6/22</b>	<b>Thursday 6/23</b>	<b>Friday</b>
<p>*Regular Day of Instruction            *Continue Navigation            Chapter 4 challenge triangle, circle, parallel park, square, Angles, maze)            Subroutines            *Cyber Terrorism.            Students will work in small groups to analyze different media sources that are related to terrorism and cyber terrorism. Each group will then produce a poster that they will present to the class that will contain a definition of terrorism and cyber terrorism as well as a Venn diagram that compares and contrasts the two types of events. At the completion of the activity, the class will conduct a brief discussion during which the teacher will present the formal definitions of terrorism and cyber terrorism as provided by government agencies.            *National Security and Free Speech (LA07-Debate Project)</p>	<p>*Navigation with Whiskers (challenge avoid the road blocks)            *Navigation with Sensors            *Cyber Communities            VA Wizard            *Cyberbullying (Cyber08 PP);            *Cyberbullying Case Studies; 4th Amendment</p>	<p>*Post-test            *VA Wizard            *Continue with navigation exercises</p>	<p>*Culminating Activity/Ceremony</p>	<p align="center"><b>Camp Not In Session</b></p>