

CYBERCAMP INSTRUCTIONAL ACTIVITY SCHEDULE

School Division(s): Tazewell County Public Schools School: Tazewell County Career & Technical Center

Camp Begin Date: June 13, 2016 Camp End Date: June 24, 2016 Days of Week: M, T, W, Th, F

Daily Instruction Begin Time: 8:00 Daily Instruction End Time: 3:30 Specify alternate schedules below

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

Enrollment activity: 70

WEEK 1 -- JUNE 2016

Monday, June 13	Tuesday, June 14	Wednesday, June 15	Thursday, June 16	Friday, June 17
Introduction/Culminating Project (1 hour/Gillespie) <i>Electricity:</i> Make a circuit (1 hr/Law) Batteries (1 ½ hr/Law & Cronce) Series and Parallel Circuits and Switches (1 hr/Law & Cronce) Design a flashlight (1 hr Law & Cronce) <i>Introduction of Robotics:</i> Hello world (1 hr/Law) Administration of Pre-Test (1/2 hour) Day 1 = 7 hours	Introduction to Humanities and Cyber Security (1 hr/Kitts) Building Flashlights and Presentations (2 hrs/Law & Cronce) Digital Technology, Friendships, and Personal Relationships (2 hrs/Blevins) Guest Speaker from Tazewell County Sheriff's Office—Cyber Security Division. Recognizing threats and investigating cyber-crimes 1:30-3:30(2 hrs) Day 2 = 7 hours	Digital Technology and Privacy (1 ½ hr/Blevins) Culminating Project Discussion (1hr/All staff) Boe Bot Timers and LED (2 hrs/Law) Basic Navigation (2 ½ hrs/Cronce) Day 3 = 7 hours	Networks and Malware (4 hrs/Sparks) Lunch time “Drones” (1/2 hr/Sparks) Debate and Research (3 hrs/Brown) Day 4 = 7 hours	Podcasts on Cyber Security during the drive to VT (1 ½ hrs/all staff) Virginia Tech field trip to visit IT/Security Department and tour campus identifying and discussing risk mitigation measures. Also included will be meeting with staff from the Virginia Tech Student Success Center (7 hrs/all staff) Debriefing discussions conducted during return trip to Career Center (1 ½ hrs/all staff) Day 5 = 10 hours

WEEK 2 – JUNE 2016

Monday, June 20	Tuesday, June 21	Wednesday, June 22	Thursday	Friday
<p>Turning Maneuvers (2 hrs/Sparks)</p> <p>Infrared Navigation CL (2 hrs/Sparks)</p> <p>Current Events in Cyber Security Research and Discussion. This will also include Career Exploration utilizing the Life Journey Program (3 hrs/Cook) ***Ms. Cook will schedule individual sessions with students throughout the two week camp for Career Exploration</p> <p>Day 6 = 7 hours</p>	<p>Infrared Navigation CLII (3 hrs/Sparks)</p> <p>Culminating Projects (1 hr/all staff)</p> <p>Debates [various topics provided for and researched by students] (3 hrs/Brown)</p> <p>Day 7 = 7 hours</p>	<p>CGI and Northrup Grumman Field Trip Touring their facilities and visiting with members of their Cyber Security staffs to gain insight on private sector industry and job prospects (6 hrs/all staff)</p> <p>Debriefing discussions conducted during retrain trip to Career Center (1 hr/all staff)</p> <p>Day 8 = 7 hours</p>	<p>IR Programmable Remote (3 ½ hrs/all staff)</p> <p>Projects (3 ½hours/all staff)</p> <p>Day 9 = 7 hours</p>	<p>Boe Bot Whisker Navigation and Obstacle Course Challenge (3 hrs/all staff)</p> <p>Career/College Fair—Local and Regional businesses and colleges will be invited to set up and recruit for future students and employees in the Cyber Security Field (2 hrs/Cook)</p> <p>Post-test (1 hr/all staff)</p> <p>Culminating Project Presentations and Banquet (1 hr/Dr. Stacy)</p> <p>Day 10 = 7 hours</p>