

ATTACHMENT B (Template)

CYBERCAMP INSTRUCTIONAL ACTIVITY SCHEDULE

School Division(s): Winchester Public Schools

School: John Handley High School

Camp Begin Date: 6 June 2016

Camp End Date: 17 June 2016

Days of Week: Monday - Friday

Daily Instruction Begin Time: 8:00 AM

Daily Instruction End Time: 3:00 PM

Specify alternate schedules below

Lunch Period (begin/end): 12:00 PM - 12:30 PM

Total instructional hours including guest speaker(s) field trip(s) and culminating

Enrollment: 25

activity: 70

Monday 6/6/16	Tuesday 6/7/16	Wednesday 6/8/16	Thursday 6/9/16	Friday 6/10/16
<ul style="list-style-type: none"> ● 7:50: Students Arrive ● 8:00 - 8:30: Introductions & Academy Overview ● 8:30 - 12:00 STEM EDA/Electricity <ul style="list-style-type: none"> ○ Conductors vs Insulators ○ Homemade Battery ● 9:00 - 9:30: Working Breakfast ● 12:00 - 12:30: LUNCH ● 12:30 - 2:30: Introduction to 	<ul style="list-style-type: none"> ● 7:50: Students Arrive ● 8:00 - 12:00 <ul style="list-style-type: none"> ○ Building Different Circuit Configs. ● 9:00 - 9:30: Working Breakfast ● 12:00 - 12:30: LUNCH ● 12:30 - 2:00: Switches ● 2:00 - 3:00: Creative Writing Activity ● 3:00 - Dismissal 	<ul style="list-style-type: none"> ● 7:50: Students Arrive ● 8:00 - 10:00: Digital Tech, Friendships, and Personal Relationships <ul style="list-style-type: none"> ○ Group Activities ○ Pew Research Reading ○ Option 1 Activity ● 9:00 - 9:30: Working Breakfast ● 10:00 - 12:00: Introduce Boe Bots 	<ul style="list-style-type: none"> ● 7:50: Students Arrive ● 8:00 - 10:00: Timers and LEDs <ul style="list-style-type: none"> ○ Debug and Pause ○ Loop Command ○ Introduce resistor (Colors) ○ Breadboarding Rules ○ Code ● 9:00: Working Breakfast ● 10:00 - 12:00: Digital Technology & Privacy: CE02 <ul style="list-style-type: none"> ○ Option 1 	<p>Field Trip: Symantec Herndon, VA</p> <p>Travel: 8:30 - 10:00 (stop for breakfast)</p> <p>Tour: 10:15 - 1:15</p> <p>Lunch: 1:15 - 1:45</p> <p>Travel: 1:45 - 3:15</p> <p>Dismissal: upon return</p>

Humanities and Cyber Security <ul style="list-style-type: none"> • 2:30 - 2:50: Review of Day, Questions • 2:50 - 3:00: Introduce Tuesday's Topics • 3:00: Dismissal 		<ul style="list-style-type: none"> • 12:00 - 12:30: LUNCH • 12:30 - 3:00: Hello World <ul style="list-style-type: none"> ◦ 	<ul style="list-style-type: none"> ◦ Option 2 • 12:00 - 12:30: LUNCH • 12:30 - 2:30: Industry Certification Pre Testing 	
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Monday 6/13/16	Tuesday 6/14/16	Wednesday 6/15/16	Thursday 6/16/16	Friday 6/17/16
<ul style="list-style-type: none"> • 7:50: Students Arrive • 8:00 - 11:00 Networks LA05 <ul style="list-style-type: none"> ◦ Rope Activity ◦ Create Network ◦ Building Tour - JHHS - JHHS Network (Charlie) • 9:00: Working Breakfast • 11:00 - 12:00: <ul style="list-style-type: none"> ◦ Reading: Orneus ◦ Group Discussion • 12:00 - 12:30: LUNCH 	<ul style="list-style-type: none"> • 7:50: Students Arrive • 8:00 - 11:00: Basic Navigations & Subroutines <ul style="list-style-type: none"> ◦ Producing Sound ◦ Body Navigation (arms & legs) ◦ PULSOUT & PAUSE ◦ GOSUB Forward ◦ RETURN • 9:00 AM: Working Breakfast • 11:00 - 12:00: Begin Malware LA06 	<ul style="list-style-type: none"> • 7:50 : Students Arrive • 8:00 - 9:00: Review for Industry Certification Exam • 9:00 AM: Breakfast • 9:30: Depart for LFCC • 10:00 - 1:00: Field Trip - LFCC Cyber Security Lab • 1:00 - 1:30: LUNCH • 1:30 - 2:00: Travel • 2:00 - 3:00: Continue Malware 	<ul style="list-style-type: none"> • 7:50: Students Arrive • 8:00 - 10:00: Digital Technologies, Harms & Trusts <ul style="list-style-type: none"> ◦ Military Technologies ◦ Cyber Attacks ◦ Drones ◦ Digital Technologies ◦ Website Searches - 5 Categories • 9:00: Working Breakfast • 10:00 - 12:00: Infrared Navigation <ul style="list-style-type: none"> ◦ Infrared Light 	<ul style="list-style-type: none"> • 7:50: Students Arrive • 8:00 - 10:00: Tie up Loose ends. • 9:00 - 9:30: Working Breakfast • 10:00: Industry Certification Testing • 12:30 - 1:30: Culminating Luncheon with Awards/Certification Ceremony (Parents and Dignitaries invited) • 1:30 - 2:30: Finish Industry Certification Testing • 2:30 - 3:00: Closing Remarks

<ul style="list-style-type: none"> ○ 12:30 - 1:30: Reading: Carr ○ Class Discussion ○ Writing Assignment ● 1:30 - 3:00: Tuning Maneuvers BB10 <ul style="list-style-type: none"> ○ GOSUB Forward ○ Pulsout ○ FREQOUT 	<ul style="list-style-type: none"> ○ Writing Assignment ● 12:00 - 12:30: LUNCH ● 12:30 - 3:00 <ul style="list-style-type: none"> ○ Review Boe Bot Coding and Controls 	<ul style="list-style-type: none"> ○ Attack Scenarios LA06 	<ul style="list-style-type: none"> ○ Navigation ● 12:00 - 12:30: LUNCH ● 12:30 - 3:00: Continue Infrared Navigation <ul style="list-style-type: none"> ○ TV Remotes ○ Building Circuits ○ LED Anodes ○ Program Boe Bots 	
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