

**ATTACHMENT B (Template)**

**CYBERCAMP INSTRUCTIONAL ACTIVITY SCHEDULE**

**School Division(s):** Fredericksburg City Public Schools **School:** James Monroe High School

**Camp Begin Date:** July 18, 2016 **Camp End Date:** July 29, 2016 **Days of Week:** M,T,W,Th,Fr

**Daily Instruction Begin Time:** 8:30 am **Daily Instruction End Time:** 4:00 pm **Specify alternate schedules below**

**Lunch Period (begin/end):** 12:00-12:30 **Total instructional hours including guest speaker(s) field trip(s) and culminating**

**Enrollment** 30 **activity:** 70 hours

**WEEK 1 – July 18-22, 2016**

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
-Arrival/Breakfast -Introduction, pre-test -Speaker (Cybersecurity Professional, Jeff Watts, RPI Group, Inc.) -Lunch (meet and greet with local Cyber Security Professionals) -Introduction to Problem (cyber-intruder has blacked out the city) -Introduction to Electricity -Using the Explore Electricity Curriculum and Kit.	-Arrival/Breakfast -Intro to Humanities -Cyber Debates -Lunch -How do Networks Work? -Networks Lessons -SPY MUSEUM PREP	-Spy Museum Field Trip Tentative Activities at SPY Museum: (Operation Spy: Student Adventure) (Operation Code Cracker) (Spy Science: Operation STEM)	-Arrival/Breakfast -Design a Flashlight -Writing Prompt while Building Flashlight -Sharing of flashlight/story -Lunch -Robot (Hello World) (must teach the robot how to move, etc. to retrieve the hostages which will be in a maze at end of Wednesday)	-Arrival/Breakfast -Robots (ASCII and timers) -Timers and LEDs -lunch -Introduction to obstacle course -Program Robots-go through course to save the “hostages” -students become the hero of the “blackout”

**WEEK 2 – July 25-29, 2016**

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<ul style="list-style-type: none"> <li>-Intro to Career Exploration Site (Virginia Wizard)</li> <li>-Intro to Roller Coasters problem and research phase (Using the Explore Roller Coaster Curriculum)</li> <li>-lunch</li> <li>-Continue with Roller Coaster</li> <li>-Complete Plans Business plan for roller coaster-Dyer</li> </ul>	<ul style="list-style-type: none"> <li>-Explore Roller Coaster Completion</li> <li>-Explore Roller coaster Presentations</li> <li>-Lunch</li> <li>-Explore Egg Drop</li> <li>-Prep for Dahlgren field trip</li> </ul>	<ul style="list-style-type: none"> <li>-Field Trip to Dahlgren which will incorporate various lessons related to Cyber Security/STEM</li> </ul>	<ul style="list-style-type: none"> <li>-FBI (first half of day)</li> <li>-post test</li> <li>-Explore Egg Drop Activity</li> <li>-Gallery walk preparations for finale day. (demos, videos, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>-Finish prep for presentations</li> <li>-Speaker/Luncheon</li> <li>-Thomas A. Baer Deputy Director of Operations National Cybersecurity and Communications Integration Center (NCCIC) Department of Homeland Security</li> <li>-Awards/Accomplishments</li> <li>-Demo of Activities/Gallery Walk for families, guests.</li> </ul>