



CYBERPATRIOT'S AFA CYBERCAMP PROGRAM



An AFA STEM Program

CyberPatriot is the Air Force Association's National Youth Cyber Education Program, created to motivate students toward careers in cybersecurity and other STEM disciplines. The program has a variety of offerings for K-12 students, as well as a cyber safety initiative for senior citizens and a community service opportunity for student and adult volunteers.

AFA CyberCamps

Held during the summer months, AFA CyberCamps emphasize fun, hands-on learning of cybersecurity principles that are relevant and applicable to everyday life. Through camps, students learn the importance of cyber safety and how to protect their personal devices and information from outside threats. Standard AFA CyberCamps teach beginner students the basics of cybersecurity, while Advanced AFA CyberCamps incorporate more complex concepts geared towards students who have previously participated in a camp or in the cyber defense competition.

Host registration for CyberCamps is open from February 1 to May 1

Camp Curriculum and Costs

The 20-hour curriculum is designed for completion over five days (must be Monday-Friday), with the final day serving as a "miniature cyber competition day."

Standard Camp (\$1,150):

- **Introduction:** Cybersecurity career opportunities, cyber ethics, online safety, how computers work, cyber threats, cybersecurity principles, virtual machines
- **Windows 10:** Basic security policies and tools, account management, file protections, auditing and monitoring
- **Linux/Ubuntu 16:** Introduction to Linux, Ubuntu 16 terminology and concepts, basic graphical user interface security, basic command line security, intermediate Ubuntu security.

Advanced Camp (\$1,450):

- **Windows 10 Advanced Security:** Graphical utilities, command line, optional sysinternals suite
- **Ubuntu 16 Advanced Security:** Init systems, advanced command line, processes and scheduled tasks, optional security policies and PAM, optional networking
- **Cisco Networking Academy:** NetAcad Networking

Included resources:

The cost of an AFA CyberCamp includes the following resources:

- Instructor Guide (PDF)
- Student Workbook (PDF)
- PowerPoint Modules
- Kahoot! Quizzes
- Software (7Zip, WinMD5, VMWare, Cisco NetAcad)
- Demonstration Images (Virtual Machines)
- Competition Images (Virtual Machines)





AFA CYBERCAMPS

Hosting a CyberCamp

Most any organization can host a CyberCamp (middle and high schools, home schools, higher education or career technical education institutions, scouting units, boys' and girls' clubs, non-profit organizations and other organizations upon approval). AFA CyberCamps cannot be conducted as a for-profit activity. All applying entities are subject to approval by the CyberPatriot Program Office.

Host organizations are responsible for providing instructors. Standard camp instructors should have experience working with computers, basic knowledge of cybersecurity, and some familiarity with virtual machines. Advanced camp instructors should be advanced subject matter experts. It is highly desired that instructors have advanced knowledge of networking and intermediate Windows 10 and Ubuntu 16 subject matter. We recommend two or more instructors for advanced camps.



Technical Requirements

Hosts have the option to host their AFA CyberCamp virtually or in-person.

The AFA CyberCamp curriculum and activities are largely computer based. To maximize student engagement, the hosting school or organization should provide one computer for every 1-3 participating students. The camp instructor(s) will need a projector and presentation computer with Microsoft PowerPoint.

The campers' computers, as well as the presentation computer, must have internet access and must be capable of running VMWare Player, WinMD5, and 7-Zip, all of which are free software programs.

Full technical specifications are available on www.uscyberpatriot.org.

Available Camp Weeks

Camps must be conducted Monday through Friday during the weeks offered. The dates listed below are tentative dates for the 2022 camp season and may be subject to change.

- June 6 – 10, 2022
- June 13 – 17, 2022
- June 20 – 24, 2022
- July 11 – 15, 2022
- July 18 – 22, 2022
- July 25 – 29, 2022
- August 1 – 5, 2022

Presented by:

