



# THE CYBERSENTINEL

The official newsletter of CyberPatriot—AFA's National Youth Cyber Education Program

AFA CyberCamp →  
CyberPatriot XV →  
CyberPatriot XV Schedule →  
International Spin-off | CyberTitan →  
AFA Rebrands to Air & Space Forces Association →  
CyberPatriot Shoutout →  
Sponsor Spotlight →  
CyberPatriot in the News →  
LOLs & Executables →



## AFA CyberCamps

With AFA CyberCamp locations nationwide and in Canada, we have the right camp for any aspiring cybersecurity enthusiast. The Standard Camp is designed for campers who are new to cybersecurity, while the Advanced Camp is designed for campers who have taken the Standard Camp before or who have participated in a season of the cyber defense competition.

To find a camp in your area, [click here](#).

### STANDARD CAMP

Intro to CyberPatriot  
Intro to Virtual Machines  
Cyber Ethics  
Windows 10  
    Security Policies  
    Account Management  
    File Protections  
    Auditing & Monitoring  
Ubuntu 18  
    Terminology & Concepts  
    Basic User Interface Security  
    Basic Command Line  
    Intermediate Security  
Competition Day

### ADVANCED CAMP

Cyber Ethics  
Windows 10  
    Graphical Utilities Windows  
    Command Line  
    Sysinternals Suite  
Ubuntu 18  
    Init Systems  
    Advanced Command Line  
    Processes and Scheduled Tasks  
    Security Policies and PAM  
    Networking  
Cisco Networking Academy  
Competition Day



The 2022 CyberCamp t-shirt will be available for purchase by host organizations to distribute at their camps



**For those organizations hosting a camp, the official AFA CyberCamp store will open in mid-May.** Camp coordinators of approved camps should keep an eye out for an email with additional information on how to purchase printed copies of camp materials or camp t-shirts. As a reminder, all approved camps receive digital camp materials as part of the camp registration fee.

## CyberPatriot XV



Registration is now open for the CyberPatriot XV (2022-2023 competition season)!

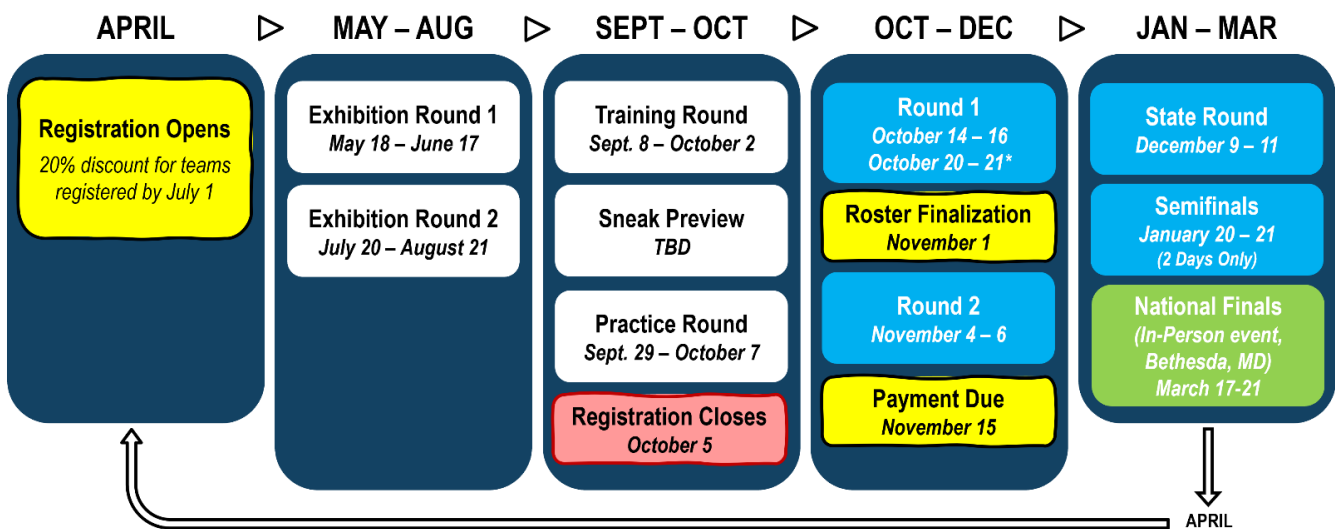
**Register your team before July 1 to receive a 20% discount on registration fees. The final deadline to register a team is October 5, 2022. Reminder: If you are a returning team, you must re-register for the new season. Registrations from previous seasons do NOT carry over.**

**Register a CyberPatriot team today!**

### CyberPatriot XV Schedule

For full information on each competition round, please visit <https://www.uscyberpatriot.org/competition/current-competition/competition-schedule>

#### CyberPatriot XV (2022-2023) Competition Timeline



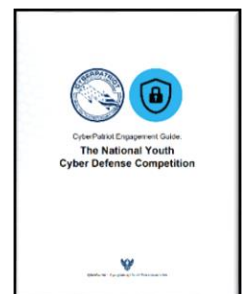
Exhibition Rounds 1 and 2 are scheduled for this summer. These rounds are available only to team that have registered for CyberPatriot XV, so register today!

- Exhibition Round 1 May 18 - June 17
- Exhibition Round 2 July 20 - August 21

The Exhibition Rounds are designed to be a practice resource for new and returning competitors. It is also a great way to show potential participants what it's like to compete.

### CP-XV Recruitment Tools

Check out the [Competition Engagement Guide](#) for tips and best practices on identifying and recruiting schools and youth organizations to join in the excitement of CyberPatriot's National Youth Cyber Defense Competition!



## CP-XV Recruitment Tools



**INTERACTIVE DEMO  
SOFTWARE NOW AVAILABLE!**

**Allow presenters to give potential participants a "hands-on" experience**

- No active image required
- No internet required
- Useful at conferences and shows

**Download the  
CyberPatriot Demo**

The CyberPatriot Demo is a partial simulation of a CyberPatriot image, with a built-in tutorial. The Demo aims to introduce teachers, students, organizational leaders, and others to the CyberPatriot competition.

The small software package (50 MB) is designed as an informational and recruiting tool that can be used as a presentation or hands-on activity at an event, conference, meeting, or in the classroom (in-person or virtual). Note that this software is NOT designed to be a training image for CyberPatriot teams.

To order the Demo download (free of charge), use the form below. The Demo download and setup instructions are included in the Quick Start Guide, which can be accessed once the order form is submitted.

## International Spin-off | CyberTitan V National Finalists

This year's ICTC CyberTitan National finalists have been named! With the CyberTitan National Competition and Summit just around the corner, taking place virtually May 16-18, 2022, we'd like to shout out a BIG CONGRATULATIONS to all the finalists:

- *Unavailable for Legal Reasons* from William Lyon Mackenzie Collegiate Institute, North York, ON
- *Art Academy* from William Lyon Mackenzie Collegiate Institute (North York, ON)
- *FalconTech Post Mortem* from Centre Wellington District High School (Fergus, ON)
- *MHS Junior Warrior* from McAdam Middle School (McAdam, NB)
- *6ixside Tech* from Earl Haig Secondary School (North York, ON)
- *Morpheus* from Centre Wellington District High School (Fergus, ON)
- *PTEC Sweats* from Pembina Trails Early College (Winnipeg, MB)
- *Syntax Error* from Sisler High School (Winnipeg, MB)
- *Olympians Apollo* from Old Scona Academic (Edmonton, AB)
- *Olympians Athena* from Old Scona Academic (Edmonton, AB)
- *Olympians Poseidon* from Old Scona Academic (Edmonton, AB)



This year, the cybersecurity simulation takes us into outer space travel, where CyberTitan finalists defend a human presence on the moon. The scenario is brought to life by the world-class cybersecurity firm Field Effect. CyberTitan V is made possible by the amazing support of Communications Security Establishment. We will have guest speakers throughout the event. **For the live stream link please register [here](#).**

## AFA Rebrands to Air & Space Forces Association



After 76 years as the preeminent voice for American air and space power, AFA recently announced it is changing its name to better match its mission and will henceforth be known as the Air & Space Forces Association.

"AFA was formed in 1946—even before the Air Force became an independent military service," said AFA Chairman Gerald Murray.

"But times change, and just as the Air Force was an offshoot of the

Army, our Space Force was born two years ago from the roots of our Air Force. Today, both military services are represented by the Department of the Air Force and thus both are fully represented by our Association. This change makes clear to everyone that Space is integral to our mission."

AFA will retain its three-letter acronym that has served the Association since its start. But the new name and a distinctive new Star-Delta logo will redefine what those letters stand for. These changes ensure those new to the association understand the breadth of its mission: To educate the public about air and space power, to advocate for the world's most capable, most lethal, and most effective Air and Space Forces, and to support Airmen, Guardians, and their families.

"AFA has always been fully committed to supporting both the Air Force and Space Force as the most indispensable elements of our joint force," said AFA President Lt. Gen. Bruce Wright, USAF (Ret.). "Even now, as the Space Force grows, expands, and builds its own, unique warfighting culture, air and space remain inextricably linked. The Airmen and Guardians who are the masters of those domains nevertheless remain tightly integrated and mutually dependent within a single Department of the Air Force. So it is with our Association."

AFA's new Star-Delta Logo embraces both the heritage and heraldry of the Air Force and the innovation and unique identity of the Space Force. The Star is derived from the original "Hap Arnold" Army Air Corps Star, elements that defined AFA's identity since its founding in 1946. The new logo combines a stylized reimagining of the Hap Arnold star with the Space Force's distinctive Delta and Polaris, both drawn from the Space Force logo.

"These elements have been combined to present a unique visual identity that reflects the dynamism and permanent bonds between these two services and their respective warfighting domains," said Murray, former Chief Master Sergeant of the Air Force. "The Polaris in particular is of note, as it represents the Space Force's unique role as a guiding light and enabler for the whole of the joint force."

## CyberPatriot Shoutout

**Jennifer Assid | CyberPatriot Alumni**



**Q:** *How did you get started with CyberPatriot*

**A:** I had a high school teacher, Mr. Swanson, who thought I would be interested in it along with a close friend of mine who was already in it. At first, the club was small with barely enough people to fill two teams, but I went to one of their preview days and tinkered around with a practice Linux image. Everyone thought I was crazy starting with Linux but I honestly fell in love with it and haven't looked back since.

**Q:** *How did CyberPatriot help with your field of study and career path?*

**A:** So, I am getting a degree in Computer Science and Game Design which doesn't exactly have to do with firewall protection and computer security but a lot of the skills that I learned in CyberPatriot come in handy. Mainly knowing my way around a command line prompt since I was a Linux operator. And, more on the grand scheme of things, every Computer Science industry is in need of security, especially the gaming industry with the increased frequency of multiplayer games getting hacked and such. So even if my degree isn't specializing in those aspect, the fact that I have

the foundation from CyberPatriot gives me an edge on my resume and makes me stand out from the rest of the members of my cohort.

**Q:** What advice do you have for young girls thinking about learning cybersecurity?

**A:** Try it out. If you enjoy the work and find computers even remotely interesting, cybersecurity is a path that few travel and has a lot of great opportunities for both fun and future employment. There will be some less than pleasant people you run into or those who will doubt your abilities based on some ill-founded principle, but don't listen to them. If you put your mind to it, you can succeed at anything you do which is going to be a lot harder of a pill to swallow for those who doubted you.

## Sponsor Spotlight

[Helping build skilled professionals for the future](#) | Cisco Blogs, Cindy DeCarlo



Governments of today harness digital technologies to improve resident services, security, and economic prosperity. To accomplish this the foundation for operations must be built on a secure platform from the edge to the cloud and across multiple domains. A digital networked infrastructure connecting people, devices and assets across a city, county or state enables critical infrastructure protections, seamless secure mobility and transportation intelligence, public safety, and security. Being able to leverage these diverse data sets, in turn, enable the government to provide the secure delivery of resident services, provide a foundation for economic development and optimize government operations. Today's governments must establish a secure, reliable, resilient, and agile digital foundation for city government, residents, and economic growth.



Having said that, one of the largest impediments to moving forward with some of these initiatives is often having skilled technologists able to implement as well as operate and maintain these solutions. Developing the next generation of cyber architects and defenders/operators is critical to both public and private sector operations. In conjunction with our Networking Academies and CyberPatriot, Cisco is working to help close that expertise and experience gap.

Over 25 years ago, Cisco made a commitment to developing the workforce of the future. Now taught in 180 countries impacting the lives of 15 million students with over \$4.3B in in-kind contributions in tools, resources, and support. Cisco Networking Academies work with educators and instructors across the globe to develop the best curricula for today's world. The result is a pipeline of IT and cybersecurity talent ready to innovate and share the future. Today, Cisco Networking Academies is an ever-expanding community of students, educators, employers, NGOs, Cisco employees, customers, and CyberPatriot Competitors.

The combination of Cisco NetAcad and CyberPatriot provides the foundations necessary to build this next generation of cyber architects, defenders, and operators. The talent that both the public and private sector depends on today.

I was recently honored to represent #cisco at the recent CyberPatriot National Finals competition and award over \$50,000 in grants to the members of the top 3 teams in both the All Service and Open Divisions. If watching the CyberPatriot teams go head-to-head at national Finals provides a glimpse into the talent, teamwork, and determination of our future, it will be very bright.

CyberPatriot and Cisco NetAcad are a winning combination for building skilled cyber professionals necessary for today and into the future.



# PROTECT YOUR FUTURE. SECURE A CYBER DEGREE FROM GANNON UNIVERSITY

Today's world needs professionals to anticipate security needs that will protect individuals and companies from cybersecurity threats. Gannon University recognizes the need to provide accessible education to develop cyber professionals who will design, integrate and protect our cyber intelligence data and systems.

Join us on the forefront of innovative academic programs and earn your cyber degree at a leading engineering university.

## LEARN TO LEAD THE WAY IN THE CYBER INDUSTRY

Bachelor of Science in  
**CYBER ENGINEERING**

Bachelor of Science in  
**CYBERSECURITY**



**AUSTIN DETZEL**  
Cyber Engineering

"I am proud to be among Gannon's first class of cyber engineering students. Studying in this one-of-a-kind program has been a unique opportunity as I learn from experienced professors."



**WATCH VIDEO**

Hear more of Austin's story.



**VICTORIA BARTLETT**  
Cybersecurity

"The program encourages collaboration, innovation and creativity. There is a focus on what the industry will look like in the future, and it's inspiring to think about all the possibilities."



**WATCH VIDEO**

Hear more of Victoria's story.



**FIND OUT MORE**  
[GANNON.EDU/CYBER](http://GANNON.EDU/CYBER)



**CAMP GANNON**  
**CYBERPATRIOT**

STANDARD CAMP | JUNE 20-24  
ADVANCED CAMP | JULY 11-15

**REGISTER TODAY [GANNON.EDU/CAMPGANNON](http://GANNON.EDU/CAMPGANNON)**

## CyberPatriot in The News

### Teacher Gina Hanna wins KENS 5 EXCEL Award for Fort Sam Houston ISD | By Sarah Forgany

SAN ANTONIO — From corporate to classroom, a major shift in her career has landed Gina Hanna her dream job. She's a major player in heading some of the STEM classes like computer science, robotics, and the cyber security program at Fort Sam Houston Independent School District.

### CYBERPATRIOT: Wildcat Battalion teams place best in state | The Free Lance – Star

The Mountain View High School Marine Corps JROTC Wildcat Battalion CyberPatriot scarlet and gold teams finished 11th and ninth among all Marine Corps ROTC teams and second and first in Virginia out of all JROTC teams after the third (state) round of competition in December 2021. Unfortunately, only the top six USMC teams advance to the semifinals. The scarlet team included the Barrera sisters, Brown, Burks, Carosella and Paredes, captain. The gold team included Ceser, Cook, Deck, Dilley, Lehrman and Greenfield, captain.

## LOLs & Executables

### Have jokes or encryption puzzles to share?

Email them to [info@uscyberpatriot.org](mailto:info@uscyberpatriot.org) with the subject line *CyberSentinel Submission* and you could win CyberPatriot swag! *This month's jokes were submitted by Joseph K.*

