



THE CYBERSENTINEL

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

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Commissioner's Cache | from Acting Commissioner Rachel Zimmerman



We are excited to announce the launch of a NEW CyberPatriot program: Tech Caregivers. This program is meant to accompany our CyberGenerations program and its goal of helping educate and protect senior citizens. The Tech Caregiver program will help equip CyberPatriot supporters, sponsors, coaches, mentors, and competitors with the knowledge they need to start having conversations with those around them about how to be safe in this digital age. This program is especially near and dear to me. As I was helping to create the program it made me realize that I needed to have conversations with my own family members. I'm confident my dad now knows how to make a strong password, identify a phishing email, and that he won't go another five years without changing his password. We hope you all will check out the newest addition to the CyberPatriot program family and consider becoming a certified Tech Caregiver.

As we gear up for the upcoming season of CyberPatriot, we are thrilled to announce that Cisco NetAcad has free courses available to anyone who wants to learn more about cybersecurity. These FREE courses make a wonderful addition to our other training resources and will help prepare teams for the competition. Feel free to share them with anyone who may be interested, both inside and outside of the CyberPatriot community.

Also be sure to check out the article on the newest international CyberPatriot affiliate, CyberSakura. With this addition, CyberPatriot competitions are now happening in Canada (CyberTitan), the UK (CyberCenturion), Australia (CyberTaipan), and now Japan (CyberSakura).

To think this program all started with eight teams of high school students in one state and now has **THOUSANDS** of teams competing around the world. It wouldn't be possible without presenting sponsor The Northrop Grumman Foundation and all of our other program sponsors and supporters.

New Program Launch | Tech Caregivers



Tech Caregivers is a new program designed to engage volunteers in providing cybersecurity support to those adults who are often vulnerable to cyber threats. Tech Caregivers is being launched under the CyberPatriot CyberGenerations program, which is designed to educate senior citizens with the knowledge needed to stay safe online. The Tech Caregiver program is open to any interested individual and supports the efforts of CyberPatriot's existing CyberGenerations program.

Through the support of AT&T, CyberPatriot has created a training course to assist tech caregivers in teaching vulnerable populations how to safely operate online. Tech Caregivers are trained and certified to help individuals gain the confidence necessary to navigate online safely and to become more aware of cyber-criminal activity. The training course covers a variety of basic cybersecurity and cyber safety principles, including an introduction to cybersecurity, the importance of password security, common internet threats and scam, fraud, using social media safely, and resources for victims of cyberattacks.

With this training, tech caregivers give back to the senior community by conducting virtual and in-person workshops.

[CLICK HERE TO START YOUR TECH CAREGIVER JOURNEY](#)

Cisco Network Academy Self-Paced Courses



The Cisco Networking Academy is making self-paced courses available to the entire CyberPatriot Community. Contribute to the goal of Cisco Networking Academy of impacting 1-billion students by 2025. CyberPatriot program participants can share the following course links with their friends and family members, start learning together today!

There are digital badges and certificate of completions that can be displayed on a learner's LinkedIn profile or online portfolio after completing the course. By clicking on the links below, you will also see a course description that will help you determine if you have interest in enrolling. From that page, you will be able to enter in your first name, last name, and email address to enroll into the course. Choose as many as you'd like there is no limit to the number of courses you can be enrolled in.

If you previously have used NetAcad.com please use the email address associated with your current account. Please note that NetAcad is unable to merge accounts. If you have not previously registered, after you enroll on a link below, you will be sent an email to create your account and profile. After that is completed, you will be able to launch your course and start learning!



Please note: Individuals need to be 13+ to have a netacad.com account. Individuals younger than that can have their parent or other trusted adult create an account and together complete the course.

Education for Everyone!

These two courses will benefit you in your day-to-day life.

1. Get Connected: <https://www.netacad.com/portal/web/self-enroll/m/course-666948>
2. Introduction to Cybersecurity: <https://www.netacad.com/portal/web/self-enroll/m/course-674727>

Explore IT (Information Technology)!

If you want to take your initial tech skills to the next level, these courses will help you do that.

3. Cybersecurity Essentials: <https://www.netacad.com/portal/web/self-enroll/m/course-675384>
4. Introduction to IoT: <https://www.netacad.com/portal/web/self-enroll/m/course-674424>
5. Introduction to Packet Tracer: <https://www.netacad.com/portal/web/self-enroll/m/course-672512>
6. NDG Linux Unhatched: <https://www.netacad.com/portal/web/self-enroll/m/course-663214>

Pave the Way for New Skills!

Interested in preparing yourself for a new career path? These courses will help you do that!

7. NDG Linux Essentials: <https://www.netacad.com/portal/web/self-enroll/m/course-645442>
8. PCAP: Programming Essentials in Python: <https://www.netacad.com/portal/web/self-enroll/m/course-666179>
9. Networking Essentials: <https://www.netacad.com/portal/web/self-enroll/m/course-656399>

Career Building Opportunity!

This workshop offers advice on navigating the hiring process and maximizing tools available.

10. Talent Bridge Career Preparation: <https://www.netacad.com/portal/web/self-enroll/m/course-412309>

Helpful tips: The recommended browsers are Firefox or Chrome. To launch the End of Course Feedback Survey and the Final Exam in all courses, you will need to enable pop-up-windows. If you have any issues logging in, please clear cache & cookies, close the browser completely. Then re-launch the browser and log back in.

International Spin-offs | CyberTitan



Nick Dixon, a former five-time National Finalist Participant at Sisler High School, provides learning resources and tutorial videos online.

Nick Dixon creates essential learning tutorials that build on the fundamental skills needed to get started in cybersecurity. His tutorial videos are featured on the cybertitan.ca website as resources that facilitate success in the cyber competition, CyberTitan, the CyberPatriot international spinoff for Canada. Take a look at the [Nick Dixon training videos](#) and build your fundamental skillsets.

International Spin-offs | CyberSakura

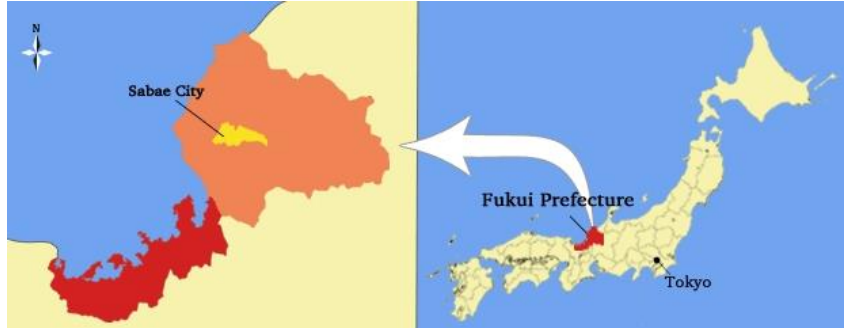


CyberSakura is the CyberPatriot partner competition in Japan.

The implementation partner in Japan is L-Community. L-Community aims to contribute to the vitalization of the community by supporting plans for community vitalization proposed by young people and encouraging their involvement in community activities. In addition to CyberSakura, they run programs aimed at future city development by university students (Sabae Vitalization Plan Contest), Human resources development base for IT craftsmanship (Hana Open innovation Dojo), and Shared office aiming for new business incubation (Hana Open Innovation Lab). They are based in the city of Sabae in the Fukui prefecture in Japan. Mr. Hidekazu Hara is the lead for CyberSakura

in Japan. To learn more about the CyberSakura program, visit cybersakura.jp. *The website can be translated with some browsers

- During the CP-XIII season (2020-2021), CyberSakura ran a pilot program to better understand the unique challenges associated with bringing the CP competition to Japan.
- The CyberSakura Pilot saw 5 teams (17 students from Middle and High School) [from Fukui, Saitama, Miyagi, and Tokyo] participate in training and competition rounds, and were supported by 5 coaches and 5 technical mentors.
- In the Middle School Category, some of the teams placed in the top 1/3 of all 385 participating teams, despite the disadvantage of having to compete in English.
- After participating in CyberPatriot, 83% of participants reported that they were 'likely' or 'very likely' to pursue a career in a cyber-security related field, 82% reported they are likely to participate in CyberSakura again, and 76% are likely to encourage other schools or community groups to get involved in the event in the future.
- Quote from one student: "I learned that even junior high school students can handle a little bit of cyber security. I was able to understand the importance of security, and I learned about several ways to improve it."



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- Goals for CyberSakura I (2021-2022): 30 teams and up to 150 students, increased female participation, increased sponsors and technical mentors, and an in-person championship in March 2022.
- Long-term goal: Participation in an international Tournament of Champions across the family of CyberPatriot programs.

Competitor Code of Conduct

With the CyberPatriot XIV quickly approaching, it is important to remind competitors of the code of conduct that they should abide by during the rounds of competition:

1. I will consider the ethical and legal implications of my online actions every time I participate in CyberPatriot.
2. I will not conduct, nor will I condone, any actions that attack, hack, penetrate, or interfere with another team's or individual's computer system and tasks, nor will I use the cyber defense skills I learn in CyberPatriot to develop hacking or other offensive skills.
3. I will not illegally copy or distribute software or other intellectual property.

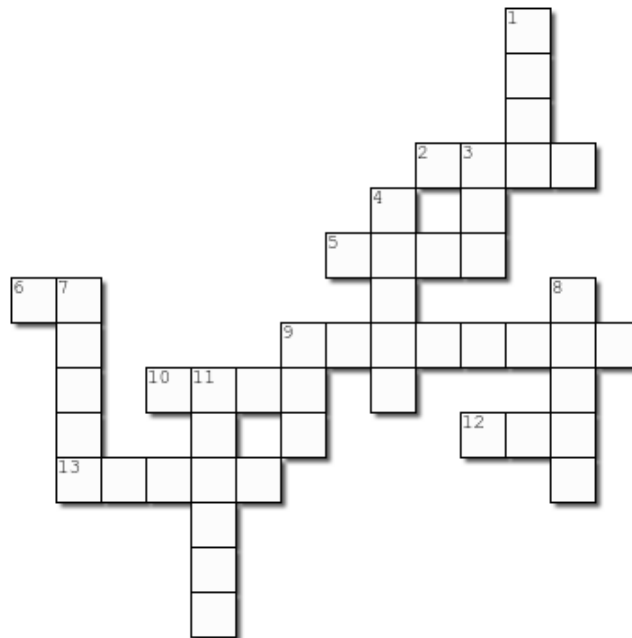


4. I will not visit inappropriate Web sites while preparing for or participating in CyberPatriot.
5. I will not participate in or condon cyberbullying which includes such behaviors as teasing, threatening, intimidating, humiliating, sexual harassment, racial harassment, and stalking.
6. I will follow the CyberPatriot rules of competition and will accept appropriate guidance from my coach.
7. I will not tamper with, modify, monitor for vulnerabilities, penetration test, or attempt to manipulate any element of the CyberPatriot competition or scoring systems.
8. I will report any technical or security issues involving competition systems or tasks to my coach for further reporting to the CyberPatriot Program Office and not publicize them to avoid exploitation of the systems or tasks.
9. I will not attempt to deceive, hoax, or “prank” other teams by forwarding or posting erroneous or deceptive information on the Internet, by email, or on social networking sites.
10. I understand that violation of this code of conduct is grounds for my immediate dismissal from my team and the disqualification of my team from the CyberPatriot competition.
11. I will strive to use my participation in CyberPatriot to further my understanding of cybersecurity.

Executables

Linux

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

Across

2. command in linux is used to display line of text/string that are passed as an argument
5. Administrator home directory
6. is a command to list computer files in Unix and Unix-like operating systems
9. A collection of many files bundled into a single file which makes them easier to handle
10. Linux built in firewall with a GUI
12. Abbreviation for graphical user interface
13. Is an open source operating system commonly used by government agencies and businesses

Down

1. is the Bourne Again SHell
3. command allows us to create single or multiple files, view contain of file, concatenate files and redirect output in terminal
4. command used to open and close a file
7. Is a command line interpreter that provides a command line
8. the default text editor of the GNOME desktop environment
9. command that prints out your current working directory
11. Is the most popular Linux distribution and is based on Debian

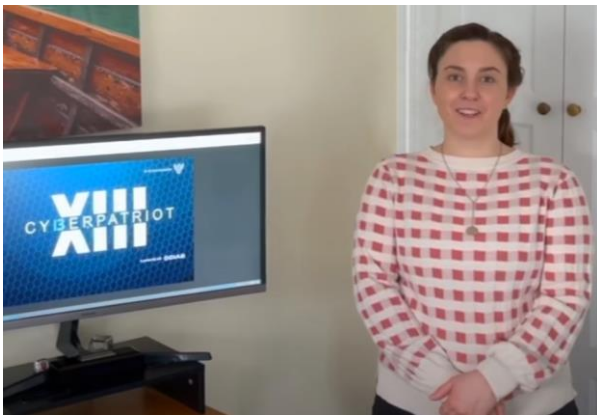
LOL! It's the Funny Section!

Do you have any funny cyber jokes? Let's hear it! Send your joke to Helene Daage at h.daage@uscyberpatriot.org with the subject line, Newsletter Joke Submission. We'll start you off with this example joke. ROFL!



Meet the CyberPatriot Staff

An Interview with Helene Daage | Program Administration Coordinator at CyberPatriot



Q: What is your favorite thing about working for CyberPatriot?

A: The CyberPatriot team! From learning new skillsets to team meetings, everyone here is in support of each other and we share the same goal of promoting STEM learning. We also like to have fun... when I first started here, there were these rubberband CyberPatriot rockets in the office where we would see who could make it in the trashcan or hit some other target.

Q: You recently earned a B.S. in Cybersecurity from UMUC and are working toward a Master of Engineering in Cybersecurity Analytics degree at GWU. How has working with CyberPatriot helped you with

these advanced degrees, and vice versa?

A: The funny thing about working for an organization that promotes learning is that it has an effect on oneself to also want to continue learning. While the CyberPatriot competitors are learning the same content that I was learning in undergrad, you look at them in awe of how you are finding your niche and advanced skill sets this early on. Its motivational to keep wanting to pursue my own education. My degree programs also allow me to understand the technical aspects of our competition and how to effectively communicate the terminology and advancement of cybersecurity.

Q: You do a lot to manage the registration of CyberPatriot teams in the National Youth Cyber Defense Competition. What is the most creative team name you've come across. If you had a team, what would your team name be?

A: So far for CP-XIV, my favorite team name is Ctrl-Alt-Elite. The creative team names that bring in tech terms or a sense of humor are always the best. We see trends in common team names so when we see one that makes us think or smile we take notice. If I were to pick a team name it would be CyberCre8tive, which incorporates my passion for cyber and art.

Q: What kinds of hobbies and interests do you have outside of work (when you aren't fielding calls and emails from our CyberPatriot participants)?

A: This year I am trying to complete the Spartan Tri-Fecta, which is an obstacle course race. Each year, I make an attempt to try something new. Last year, I took a course in Silversmithing and was able to make some of my own jewelry. I also, really enjoy cooking.

Q: As a woman (and a mom!) in cybersecurity, what advice do you have for our young female competitors looking to pursue a STEM career?

A: Don't ever stop trying and it is okay to fail as long as you get back up. For the longest time, I wanted to be a Chemist and go into Food Science and Technology, but I really struggled with the chemistry courses in school. Once I accepted that this may not be the path for me and tried another path, CYBERSECURITY, I was like, "Wow I found something that I enjoy and comes easily to me." While I am not as technical as some of our competitors and, no, I do not code, I enjoy the subject matter. If you want to see my dorky side, I love NIST SP-800-53.

CyberPatriot Shoutout



Do you have a CyberPatriot story to share? We'd love to hear from you!

The winning story will receive a CyberPatriot Shoutout in next month's newsletter, along with CyberPatriot swag. Creative photos, videos, and stories are accepted.

Email your story to h.daage@uscyberpatriot.org.

CyberPatriot & The News

[SVVSD hosts STEM camps at the Innovation Center](#) | By Amy Bounds

Tuesday, guest speakers from the National Security Agency talked to the students about cybersecurity and reverse engineering software, as well as showing the students a working German Enigma Cipher Machine. The machine was used in World War II, with intelligence gained from Allied analysts solving Enigma messages helping shorten the war by as much as two years.

[P.E.O. Foundation awards scholarships to two in Grant County](#) | By Silver City Sun-News

GRANT COUNTY - Two recent graduates of Grant County high schools will each receive a \$1,500 scholarship for the 2021-2022 academic year from the Chapter AG, P.E.O. Foundation Scholarship account.

[Cyber News Now: USC Aiken and SRNS bring CyberPatriot Camp to local middle school students](#) | By Abby Bradshaw

AIKEN (WFXG) - USC Aiken and Savannah River Nuclear Solutions teamed up to bring the world of cyber to local middle school students. Through the CyberPatriot Camp, kids got early exposure to cyber security skills and learned why those skills are important.