



ISSUE 68 | NOV 2017

THE CYBERSENTINEL

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

COMMISSIONER'S CACHE



We are off and running! As this is being typed, Round 1 of CyberPatriot X is underway. Northrop Grumman's Ms. Diane Miller hit the magic keystrokes at exactly 9am on Friday, November 3, and unleashed our servers for team access. We are so proud of this growing national competition, and we thank you for being a part of it. We are also proud of CyberPatriot's other components, including our AFA CyberCamps and our elementary school cyber education initiative.

And if you haven't been made aware, we are about to publish *Sarah the Cyber Hero*, which, as best we can tell, is the first ever children's storybook dealing with cybersecurity. Authored by our own staff member, Emily Rauer, it tells the entertaining story of Sarah who (using what she has learned in school) saves the neighborhood from certain cyber havoc! It is being printed as I type this and will soon be available at major online book providers and on our website at a very reasonable price. We hope you'll get a copy (or six) and that you read it to pre-readers so we can spread the word of cybersecurity to even the youngest children.

Everything we do is powered by you as a parent, student, coach, mentor, motivated AFA volunteer, or just someone who cares about STEM and cyber education. Thank you! And a special thanks to our generous sponsors, led by the Northrop Grumman Foundation. Without them (and you) none of this would be possible.

Bernard K. Skoch | National Commissioner



DATES TO KNOW

NOV. 2	Competitor Registration & Payment Deadline
NOV. 3-5	CyberPatriot X Round 1
NOV. 23	Thanksgiving / AFA Closed
NOV. 27	Start of Packing/Shipping of Participant Kits
DEC. 8-10	CyberPatriot X Round 2

BIGGEST SEASON EVER

5,584
26% GROWTH!

[Watch the new CP-X Video!](#)

NEW RULES FOR THE NEW SEASON

The CyberPatriot X Rules Book has been posted under the Competition tab on the CyberPatriot website at <http://uscyberpatriot.org/competition/rules-book>.

Below is a summary of significant changes.

- Teams must have Virtual Technology enabled in their host computer BIOS. Sometimes it is VT or VT-x. See the manufacturers website if you cannot get into the BIOS on boot-up or restart.
- Host systems must be 64-bit.
- Regions have been removed from the competition due changing the Regional and Category Rounds to the Semifinals.
- U.S. States, Canada, and At-Large teams are the three locations that will be considered for awards and advancement.
- Backup dates for a competition-wide postponement are the weekend of the scheduled backup date and not just the Saturday.
- Non-competing team members may observe, but not assist the team or receive advice or assistance from Coaches, Mentors, or other non-Competitors.
- Cisco Networking Challenge materials used for the competition must be deleted when the competition is complete. This does not include the Packet Tracer 7.1 program.
- Score correction requests will be an online form.

- Issues related to the use of Macs, Linux, and non-compliant Windows computers are not grounds for appeal. Teams should have access to a Windows computer that meets technical specifications.
- For information on advancement, see the Spotlight article on page 3



Pine Forest High students wrapping up opening round

MIDWEST CISSE CHAPTER NEWEST CYBERPATRIOT CENTER OF EXCELLENCE



AFA's CyberPatriot Program Office has announced the Midwest CISSE Chapter (MCISSE) as its newest CyberPatriot Center of Excellence.

The University of Detroit Mercy, which is the lead institution for the MCISSE coalition, began building cybersecurity awareness across Michigan in 2006. MCISSE now covers the upper Midwest with all five of the National Security Agency Centers of Excellence in Michigan as well as

partners from Ohio, Missouri, Colorado, Texas, and as far away as Warwick University in the United Kingdom. In 2015, MCISSE took on the challenge of expanding its reach into K-12 education by adding the CyberPatriot program.

"It has been our honor to help foster the spread of cybersecurity across our region," said Tamara Shoemaker, Director of the Center for Cyber Security & Intelligence Studies at the University of Detroit Mercy. "The consequence of this effort has been to ensure that the pipeline of potential students is Cyber Security aware, both in practice and as a career choice."

MCISSE's extensive list of long standing relationships with the faculty and staff of universities and community colleges in the region, along with access to professionals who work in ICT and Cyber Security in the Detroit industrial base, has led to the establishment of mentor relationships with middle and high schools who presently participate. Mentoring services are also provided to the many districts that plan to participate in the future.

Through its efforts, MCISSE has gotten recognition from Michigan's Governor and the head of the Michigan National Guard, both who have helped secure funding with the Michigan Economic Development Corporation to promote the growth of the CyberPatriot Program. That funding has allowed MCISSE to hold two AFA CyberCamps and sponsor 80 team registrations for the current season, a huge jump from nine teams just three years prior.

For more information on MCISSE and CyberPatriot's Center of Excellence program, visit <http://uscyberpatriot.org/about/centers-of-excellence>.

AT&T AIR CARDS HAVE SHIPPED

Coaches who completed the AT&T air card request form should have since received an email stating either approval or denial of their request.

If your request was approved, the air cards were shipped to the address provided during the team registration process.

Questions about air cards?
Contact Melissa at
info@uscyberpatriot.org



CP-X PARTICIPANT KITS

The CyberPatriot Program Office will be packing and shipping participant kits the week of Nov. 27—Dec 1. Packages will be addressed to the coach of record and shipped to the address provided by the coach during the team registration process.

Items included:

T-shirt // CP-X Challenge Coin // Lapel Pin
(a digital participation certificate will also be available on the Coach's dashboard)

How it works:

1. CyberPatriot exports a list of rosters to use as order slips. If a student does not appear on a roster, items for that student will not be included in the order. PLEASE MAKE SURE YOUR ROSTERS ARE COMPLETE.
2. The order is packed using the t-shirt sizes provided by the coach during registration (Exception: LAUSD team kits will be sent to a local warehouse, per request of Carey Peck). Coaches with multiple teams will receive a package containing gear for all teams registered to their account. We do not send separate boxes per individual teams.
3. A notification email will be sent when your package has shipped.

IMPORTANT NOTE:

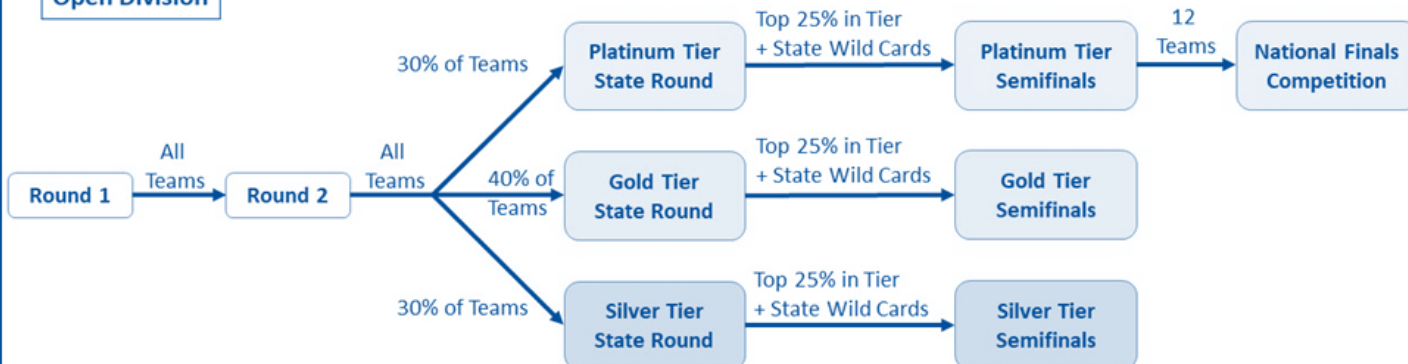
Participant kits for mentors and team assistants will be sent separately, directly to the address on file for the individual volunteer. Only mentors and team assistants who are officially registered and linked to a team roster will receive a package. For instructions on how to add a mentor to your roster, [click here](#) (page 3).

Coaches' Corner

- **Team Numbers.** The CyberPatriot Program Office uses team numbers (10-xxxx) to identify teams competing in CP-X (shown on left side of the team information box on Coach's Dashboard). So that we can more quickly assist you, please include your team number in all correspondence with the CyberPatriot staff. This number is not to be confused with the Unique ID (xxxx-xxxx-xxxx), which is for team use only.

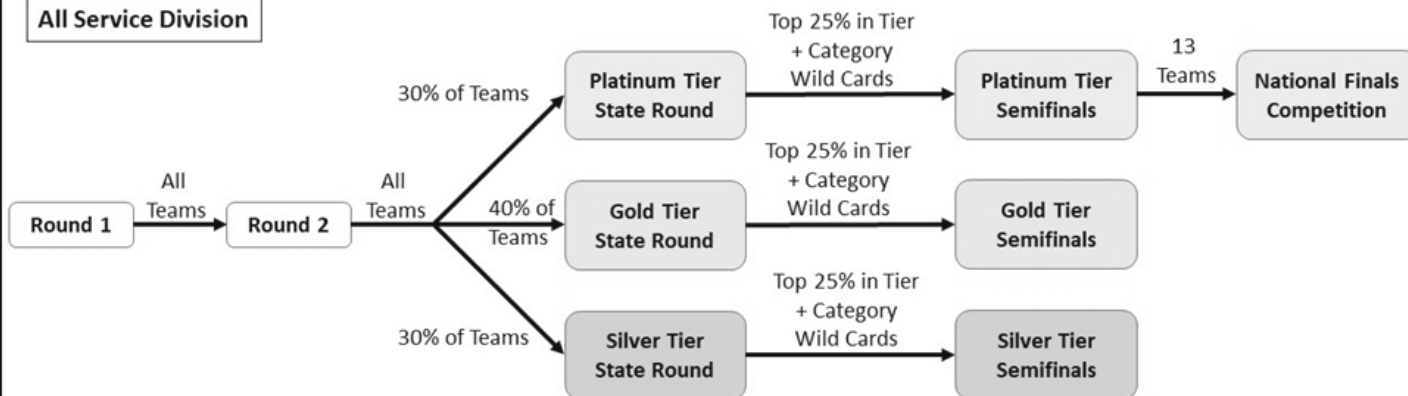
SPOTLIGHT: CP-X ADVANCEMENT STRUCTURE

Open Division



Every Open Division team is guaranteed three online rounds competition (Round 1, 2, and State Round). Cumulative scores from Round 1 and 2 determine tier placement in the State Round. The top 25% of State Round scores advance to the Semifinals. If a State is not represented as part of the top 25%, the highest scoring team from the unrepresented state may advance as a wild card team. The platinum tier is the only tier with potential to advance to the National Finals Competition. The top 12 scoring teams in the Semifinals will qualify for the National Finals.

All Service Division



Every All Service Division team is guaranteed three online rounds competition (Round 1, 2, and State Round). Cumulative scores from Round 1 and 2 determine tier placement in the State Round. The top 25% of State Round scores advance to the Semifinals. If a specific Category (CAP, AJROTC, AF JROTC, MCJROTC, NJROTC, Naval Sea Cadets) advances fewer than 6 teams as part of the top 25%, the highest scoring teams from that underrepresent category (up to six) may advance as wild card teams. The platinum tier is the only tier with the potential to advance to the National Finals Competition. The top two scoring teams from each Category and one wild card team will qualify for the National Finals based on Semifinals scores.

Middle School Division



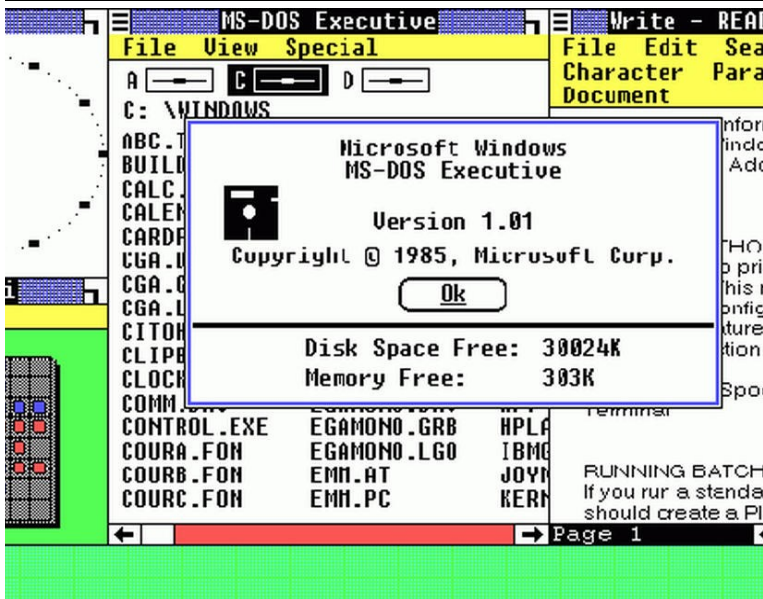
Every Middle School Division team is guaranteed three online rounds competition (Round 1, 2, and State Round). Cumulative scores from those three rounds determine advancement to the Semifinals. Teams with the top 50% of cumulative Round 1, Round 2, and State Round scores advance to the Semifinals. The top three scoring teams from the Semifinals will qualify for the National Finals Competition.

NOV
17

WORDSEARCH.EXE

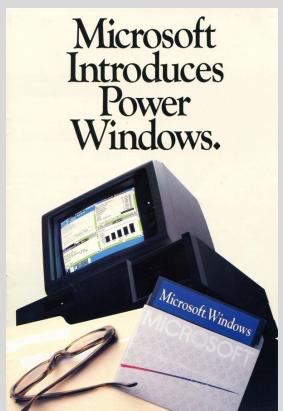
S Q H J K H O W A M L C C T G R X L R E M D V V G
T U I O T R Z L P T S O D F G E M T S U Y G J I C
C B P V O W M L W X H I O F U U L J S R X N C K S
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M Y F R B Q C G M L I H G B U S X T U C E Y Q Y T
L A U T R I V S C J K N E H E T M G R E P O R T M

CyberPatriot X
Kickoff
Ubuntu
Windows
Linux
Competition
Virtual
Machine
Vulnerability
Checksum
Extract
Script
Firewall
Defense
Cybersecurity
Download
Image
Unique ID
Connectivity
Advancement
Scoring
Report
VMWare
Workstation
Teamwork



THIS MONTH IN CYBER HISTORY

Nov. 10, 1983 — In November of 1983, Microsoft announced a new product, Windows, to compete with other graphical environments for computers, such as interface on the Apple Lisa. After several delays, Windows 1.0 finally became available to the public in 1985. Its major features included pull-down menus, tiled windows, mouse support, and cooperative multitasking of the program's applications. Although Windows 1.0 saw some use, the Windows interface did not gain general acceptance until version 3.0.



For more information, visit:

<http://www.computerhistory.org/t dih/November/10/>

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