The CyberSentinel

Commissioner’s Cache

The CyberPatriot IV National Finals Competition is here! Our outstanding finalists will be locked in two days of intense competition March 22-23 at the Gaylord National Convention Center. The Network Security Competition will test the skills of our finalists against a red team of “attackers.” Quick thinking and attention to detail will be put to the test in our new Forensics Competition as well. With all that, there will be time for fun and learning. We have a fun competitors’ dinner planned with great door prizes donated generously by our sponsors. Individual competitors from different teams will sit together at the dinner. Our Presenting Sponsor, Northrop Grumman, along with CISCO will

The National Finals Competition Special Edition

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The National Finals Competition Sponsors: Mentorship, Prizes, and Scholarships

Twenty-six teams from the United States and Canada will soon descend upon the Gaylord National Convention Center, in Maryland, for The National Finals Competition. The 24 US teams will compete in the All Service and Open Divisions, while the two Canadian Teams will compete in the International Exhibition. The competition would not be possible without our CyberPatriot sponsors.

The Northrop Grumman Foundation is the Presenting Sponsor for this year’s CyberPatriot National Finals Competition. Our Network Security Competition will be powered by CyberNEXS from the Science Applications International Corporation (SAIC). CISCO Systems Incorporated will provide the competition network.

Formal competitor mentoring sessions will be conducted by the Northrop Grumman Corporation and CISCO Systems. The topics will cover cybersecurity career paths and internships among other topics.

For the Competitors’ Dinner, our sponsors were gracious enough to provide door prizes that include:

- iPad 2
- Ogio Epic Backpacks
- Xbox 360 Kinect
- iPod Touch
- Nikon CoolPix Cameras

At the dinner, each competitor will receive a gift bag filled with useful gifts from our sponsors, to include a commemorative CyberPatriot wristwatch.

The awards to be presented at the Awards Banquet will include the:

- DC3 Crime Scene Challenge Awards
- International Exhibition Medal
- Service JROTC Champions Awards
- Civil Air Patrol Champion Award
- Commander-in-Chief’s Cup (All Service Division)
- President’s Cup (Open Division)

The Northrop Grumman Foundation will award more than $50,000 in scholarships to the top teams in the All Service and Open Divisions.

On Saturday, March 24, Northrop Grumman will host a visit for our National Finalist Teams to their Center for Innovative Solutions. At the center, the competitors will be briefed by experts in the cyber field. From beginning to end, our CyberPatriot sponsors and the Air Force Association will ensure the National Finalists have a fun and memorable event.

This Month’s Question

How do I report an Internet crime?

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CyberPatriot V: Registration begins April 1, 2012

April 1st is April Fool’s Day, but it is also the CyberPatriot V kick-off date. CyberPatriot V promises to be an even better competition than CyberPatriot IV. During CyberPatriot V, some teams will participate in regional competitions. Also, more schools have shown interest in participating in CyberPatriot.

On April 1, 2012, the registration for CyberPatriot V begins. The registration process begins with the coaches registering on the CyberPatriot Web site at:

www.uscyberpatriot.org

Once registered on the Web site, the coach is required to have a certification by a school official or a squadron commander, in the case of the Civil Air Patrol. Then the coach’s certification will be provided by the school official or squadron commander to the CyberPatriot Program Office.

Persons desiring to be mentors may register at:

www.uscyberpatriot.org

Once registered, a person will not be recognized as a mentor until a background check is completed by the CyberPatriot Program Office through a private agency.

Registered coaches will be notified when to register their team members via e-mail. At that point, the coaches will enter their team members names and competition information into the database.

Teams will be required to pay a $375.00 fee to cover expenses in CyberPatriot V. Coaches may ask their school or organization to cover the fee.

More details will follow, but don’t delay registration. April 1st is almost here!

DC3 Digital Crime Scene Challenge

By Wendy White, DoD Cyber Crime Center

Nearly every crime committed in today’s society has a digital component of some variety. This increases the demand for Cyber Investigators and the need for them to possess the appropriate knowledge of how to identify and process digital evidence. The DoD Cyber Crime Center (DC3) created the DC3 Digital Crime Scene Challenge, an interactive challenge designed to bring awareness to the issues the Cyber Investigators face and give individuals a simulated experience in crime scene investigation as well as to have fun! The objective of the challenge is to educate participants on current issues while maintaining their attention through a fun and interactive competition. Various levels of the cyber investigation process are put to the test – analyzing case data, processing a crime scene, securing evidence, and conducting a digital forensic examination. Teams are scored by the number of devices obtained. To win this challenge the team has to find the most evidence, identify the device with vital case information, and locate the digital evidence on the forensic machine. A tiebreaker for teams with identical scores is their time. If you are interested in having the DC3 Digital Crime Scene Challenge come to you, or for more information on administering your own challenge, please contact the Challenge Team at challenge@dc3.mil or 410-981-1078.
The joy of watching students learn and grow through a year as my Cyber Patriots team has, leaves a teacher wondering how do we keep this enthusiasm.

Skip Carter, Coach, Joel E. Ferris High School

Benjamin Fernandez, Coach, Benjamin Franklin High School

Tireless dedication to perfection combined with optimal individual effort but, more importantly, a deep respect and understanding of the invaluable presence of teamwork and trust—these are the keystones that solidify what it means to be a CyberPatriot.”

Benjamin Fernandez, Coach, Benjamin Franklin High School

"The joy of watching students learn and grow through a year as my Cyber Patriots team has, leaves a teacher wondering how do we keep this enthusiasm."

Skip Carter, Coach, Joel E. Ferris High School
Open Division National Finalists

John R. Rogers High School
Location: Spokane, WA
Coach: Tim Young
Team Members
Chris Alexander
Zach Baldwin
Desirae Marion
Jon Plank
Jawun Smith

Lewis and Clark High School
Location: Spokane, WA
Coach: Mark Rhoades
Team Members
Yang Cao
Will Dittman
Matt Hays
Matt Polyak
Quinn Shumaker
Wyatt Stone

MIT Lincoln Laboratory
Location: Lexington, MA
Coach: Chiamaka Agbasi-Porter
Team Members
Pat Bowden
Derek Chaplin
Nick Cunningham
Will Cunningham
Matt Zenzie

Monroe Career & Technical Institute
Location: Bartonsville, PA
Coach: Ron Cudworth
Team Members
Vinnie Bontempo
Forest Crowley
Ryan Dekmar
Chris Frantz
Memo Yasdiman

North Central High School
Location: Spokane, WA
Coach: Josh Harrison
Team Members
Robbie Abbott
Ian Adkins
Cody Arigo
Kevin
Ethan Horner
Robert Jackinski

Palos Verdes Peninsula High School
Location: Rolling Hills Estates, CA
Coach: Hassan Twiet
Team Members
Justin Boisvert
Nicholas Entin
Miolani Grenier
Patrick Lowe
Max Stritzinger
Russell Wakugawa

"From CyberPatriot, my team has learned the value of hard work, the ability to work together as a cohesive unit, and that it is possible to compete at a national level."
Tim Young, Coach, John R. Rogers High School

"CyberPatriot is a great competition that helped motivate and excite my students. The exercises in the competition were great hands-on activities that pushed my students to an even deeper understanding of computer security."
Ron Cudworth, Coach, Monroe Career & Technical Institute
Douglas MacArthur High School
Location: San Antonio, TX
Coach: Amy King
Team Members:
Lois Agabon
Andy Banda
Sam Burgess
Adam Cruz
Robert Isenhour
Peter Myers

Leilehua High School
Location: Wahiawa, HI
Coach: Nick J. Spiridigiozzi
Team Members:
Mark Gitschlag
Selena Peebles
Jhalil Tyson

Reseda High School
Location: Reseda, CA
Coach: Bruce Gurnick
Team Members:
Shadman Alamgar
Indrpeet Bilg
Grant Hall
Ivan Marroquin
Jeremy Miller

South Aiken High School
Location: Aiken, SC
Coach: Larry Laughlin
Team Members:
Matt Bauerlin
Adrian Coleman
Sarah Henagan
Josh Livingston
Jacob Przywara
Mark Reboul

La Cueva High School
Location: Albuquerque, NM
Coach: Scott McCloud
Team Members:
Kevin Childress
Josh Cutler
Christina Freeman
Tyler Morris
Josh Rinaldi

Montachusett Regional Vocational Technical School
Location: Fitchburg, MA
Coach: Paul A. Jornet
Team Members:
Ian C. Duffin
Catelyne Farrell
Billy Ghio
Brett Grant
John Pfeiffer
Connor Quick

“CyberPatriot’s goal is to excite students about [STEM] education. You don’t have to be computer geek to be successful at CyberPatriot; you just need to have the desire to learn as much as possible from the entire CyberPatriot experience, and to stay motivated and strive to always do your best!”
Nick J. Spiridigiozzi, Coach, Leilehua High School

“This program is very important because of the technological world we live in today. Cyber terrorism could be the next attack on our country or the world.”
Scott McCloud, Coach, La Cueva High School
All Service Division National Finalists

Clearfield High School
Location: Clearfield, UT
Coach: Kit Workman
Team Members
Braxton Allen
Daniel Hargrave
John Maxfield
Lindsay Newman
Hunter Poe
Eric Takacs

John R. Rogers High School
Location: Spokane, WA
Coach: William "Loyd" Patton III
Team Members
Joseph Ceniza
Ben Donnelly
Clayton Husk
Chamberlain James

Big Sioux Composite Squadron
Location: Brookings, SD
Coach: Shannon Hofer
Team Members
Tyler Gross
Daniel Klosterman
Joshua Klosterman
Simon Pulscher
James Skon

Colorado Springs Cadet Squadron
Location: Colorado Springs, CO
Coach: Capt. Bill Blatchley
Team Members
Carlin Idle
Kyal Lanum
Christopher Ottesen
John Parish
Stephen Parish
Chris Vasquez

Springville Cadet Squadron
Location: Ashville, AL
Coach: Walter Alexander
Team Members
Walter Alexander
Vince Corey
Shayla McCay
Katey Ray

Youngstown ARS Composite Squadron
Location: Vienna, OH
Coach: Paul Creed III
Team Members
Jacci Acierno
Sean Beatty
Austen Peters
Andrew Stoneburner

"It has been amazing to see my cadets develop skills, in preparation for this competition, that have such important real world applications. This competition has been a great addition to our program!"
Kit Workman, Coach, Clearfield High School

"CyberPatriot offers today's youth an exciting pathway to tomorrow's cybersecurity careers by exposing them to current real-world cyber attacks."
Shannon Hofer, Coach, Big Sioux Composite Squadron
The answer is: To report Internet crime, to include hacking and identity theft, use the FBI’s Internet Crime Complaint Center (IC3). IC3 is a central reporting hub for local, state, and federal agencies. The IC3 accepts online Internet crime complaints from either the actual victim or from a third party to the complainant. The FBI requests that you provide the following information when filing a complaint:

- Your name
- Your mailing address
- Your telephone number
- The name, address, telephone number, and Web address, if available, of the individual or organization you believe defrauded you.
- Specific details on how, why, and when you believe you were defrauded.

Any other relevant information you believe is necessary to support your complaint. (Source: FBI)

For more information: [http://www.ic3.gov](http://www.ic3.gov)

To file a complaint, go to: [https://complaint.ic3.gov/ctf.aspx](https://complaint.ic3.gov/ctf.aspx)

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**International Exhibition Teams**

**Garden Valley Collegiate**

Location: Winkler, Manitoba, Canada  
Coach: Jonathan Funk

**Team Members**

Matthias Fast  
Abe Fehr  
Scott Harder  
Josh Hiebert  
Carl Rempel

**Sisler High School**

Location: Winnipeg, Manitoba Canada  
Coach: Charles Bazilewich

**Team Members**

Gurneet Brar  
Daniel Cammarata  
Jacob Hughes  
Jeff Kadyniuk  
Param Lobana

"People rely on the Internet to perform many daily tasks at work, school, and home. Protecting them from cyber attacks is very important. The demand for cybersecurity is increasing daily. There are many career and job opportunities for youth with computer security skills. CyberPatriot allows youth to learn valuable computer security skills that could lead to a career in computer security." Jonathan Funk, Coach, Garden Valley Collegiate

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**Coaches’ Corner**

- Participant Kits. Participant kits are being shipped. Priority shipments are going to teams which submitted their participation kit information. Other teams will receive their kits with generic size T-shirts.


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**Answer to Monthly Question**

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CyberPatriot III, Open Division Champions: Red Bank Regional High School. The team members received the President’s Cup and are holding a $12,000 scholarship check from Northrop Grumman.
A Career in cybersecurity – How do I prepare?

The field of cybersecurity offers graduating students enormous possibilities. The CyberPatriot Program is a great way to build excitement around this career path. But, beyond the competition, what should students do to prepare for a career in this field? What attributes are employers looking for in a qualified cyber pro? Diane Miller, Northrop Grumman Program Director for CyberPatriot, explains how she helps high school students get ready for a rewarding career in this emerging field.

“Pursuing a STEM discipline is an excellent start,” said Miller. “Courses in the science, technology, engineering and mathematics (STEM) disciplines help develop your critical thinking skills, problem solving skills, and technical creativity. There are many options when evaluating college curricula in cybersecurity. Students may consider academic offerings for cybersecurity that vary widely, including computer science, electrical and computer engineering, information technology, information systems, information assurance, information security/computer security. Earning certifications like the Certified Information Systems Security Professional (CISSP), Certified Ethical Hacker (CEH) and participation in the networking academy offered at high schools by CISCO are excellent ways to differentiate you from the crowd.”

“Building ‘soft skills’ is equally important. Employers are looking for candidates who exhibit the ability to consider various options in the decision-making process; effectively communicate orally and in writing; think outside the box; work in teams; are determined and persistent; and most of all, collaborate.”

“Finally, personal attributes like integrity, passion for what you do, and good lifestyle choices are key! Because cybersecurity professionals protect an organization’s most critical information, ethical behavior and high integrity are especially important so you can demonstrate your trustworthiness.”

CyberPatriot Internship Opportunities – Now Available

Northrop Grumman is actively recruiting interns for the 2012 summer. To apply, please click here and review the information provided. Then click “CyberPatriots, start looking for Opportunities here”. In the next page simply use the word “CyberPatriot” in the search field and apply today.