

Air Force Association's CyberPatriot III National High School Cyber Defense Competition



February 16-18, 2011 || Orlando, FL || Air Force Association || www.AFA.org



CITY OF ORLANDO

GREETINGS,

As Mayor of the City of Orlando, it is my pleasure to welcome you to the "City Beautiful" and to congratulate you on advancing to the semi-final round of CyberPatriot, the national high school cyber defense competition.

This year, more than 450 teams participated in the All Service Division, and you hold the distinction of being among the remaining dozen. I commend you on this achievement. I encourage those of you visiting Orlando to experience all of the things that make Orlando one of the fastest growing, most business-friendly and quality of life-centered cities in our nation.

Underneath a skyline that has doubled in just the last five years, our dynamic, bustling Downtown is alive with fine dining, exciting night life, fabulous shopping, year-round outdoor activities, arts and culture, professional sports and abundant parks.

Our vibrant and diverse culture is evidenced by the many distinctive neighborhoods that dot our City. I invite you to walk our red brick, tree lined streets, visit our beautiful historic districts or our Downtown Arts District and take in Orlando's crown jewel, Lake Eola Park.

Again, welcome to Orlando! We are happy to have you here and hope you enjoy taking part in the wonderful experiences that can only be found here.

Best wishes for a productive event and continued success.

Sincerely,

A handwritten signature in black ink that reads "Buddy Dyer". The signature is written in a cursive, flowing style.

Buddy Dyer
Mayor

I. Introduction

Messages from US Military Service Chiefs.....	2
Schedule of Events.....	3
Map of Hotel.....	4
Map of Technology Exposition and Exhibitors List.....	5
About CyberPatriot.....	6

II. Meet the Teams

Air Force JROTC.....	8
Army JROTC.....	10
Navy JROTC.....	12
Marine Corps JROTC.....	14
Civil Air Patrol Cadets.....	16

III. Industry and Military Sponsors..... 20

CHIEF OF STAFF OF THE AIR FORCE

Gen. Norton A. Schwartz



Congratulations and welcome to the CyberPatriot All Service Division semifinals! You have worked hard to advance this far, and I wish you well in this week's competition.

The US Air Force depends heavily on advanced weapon systems and on technologies that give us the edge over any adversary. However, we are most dependent on smart, talented people such as yourselves to design, operate, and maintain those technologically advanced systems as we work to keep our nation free.

Many aspects of the nation's economy and government are dependent on cyber systems, and America needs young people with bright minds—people like you—to make our cyber nation stronger.

I encourage you to continue exploring the exciting cyber domain. It holds great promise for you, and for America.

CHIEF OF STAFF OF THE ARMY

Gen. George W. Casey Jr.



Congratulations and best wishes to all participants in CyberPatriot's All Service Division competition. Reaching the semifinals is a tremendous accomplishment and I commend your team on your efforts.

In the years ahead, our Army will rely increasingly on the skills and leadership of individuals who understand what the 21st century cyber demands are. Our Army will continue to depend on innovative people like you—as we have done for over two centuries.

Again, congratulations on your accomplishments and thank you for your work and support of our nation's Soldiers. Army Strong!

CHIEF OF NAVAL OPERATIONS

Adm. Gary Roughead



Congratulations on your teams' impressive advancement to Round 3 of the Air Force Association's All Service Division competition of CyberPatriot III. This outstanding achievement serves as a testament to your dedication to personal enrichment and your ability to operate effectively as a team.

Your performance thus far has showcased our Nation's best while demonstrating your abilities to competitors from across the services. Events such as these have an immensely positive impact on our energetic and adventurous young men and women and help foster strong community relations.

Again, congratulations on this significant achievement, and thank you for representing our Armed Forces so very well. I wish you all the best for Round 3 and for the final competition. Keep up the great work.

COMMANDANT OF THE MARINE CORPS

Gen. James F. Amos



On behalf of all Marines, it is my distinct pleasure to welcome participants to the CyberPatriot All Service Division semifinal competition and offer you each the heartiest congratulations on reaching this stage in the competition. Your success thus far is a testament to your individual talents and hard work as well as your exceptional ability to perform as a team.

As we posture our intelligence community and military to succeed in today's environment and prepare for the challenges of the future, we recognize that cyber security will play an ever-increasing role in our Nation's defense. When the Continental Congress established the Marine Corps in 1775, no one could have imagined how our tactics, strategies and weapons would evolve over 235 years. The capabilities now exist to disseminate information around the globe on a moment's notice. With the luxury of information access comes the great responsibility of protecting our national interests in this cyber-environment. By participating in the CyberPatriot program, you are learning skills that will prove valuable well into the future and play a key role in defending our nation for generations to come.

Enjoy the competition and the opportunity to meet new people and learn new skills. You have worked hard for this event, and I challenge you to continue that work after this competition. Best of luck to each team ... I look forward to hearing which teams advance to the finals competition in March! Semper Fidelis.

COMPETITORS' SCHEDULE**Wednesday, February 16, 2011**

Competitors Arrive

Dinner (Voucher) 18 Monroe St. Market

Thursday, February 17, 2011

Breakfast (Voucher) 7:00 a.m. – 8:30 a.m. 18 Monroe St. Market

Familiarization Training 8:30 a.m. – 11:30 a.m. Gatlin A

Lunch (Exhibit Hall) 11:30 a.m. – 1:00 p.m. Gatlin B/C

Competition Period I 1:00 p.m. – 5:00 p.m. Gatlin A

Competitors' Dinner 6:30 p.m. – 8:30 p.m. Conway

Friday, February 18, 2011

Breakfast (Exhibit Hall) 7:00 a.m. – 8:00 a.m. Gatlin B/C

Competition Period II 8:00 a.m. – 11:30 a.m. Gatlin A

Lunch (Voucher) 11:30 a.m. – 1:00 p.m. 18 Monroe St. Market

Awards Ceremony 1:30 p.m. – 2:15 p.m. Butler

"Sum of all Thrills" (Dinner provided) 3:00 p.m. – 10:00 p.m. Epcot

*Sponsored by Raytheon***Saturday, February 19, 2011**

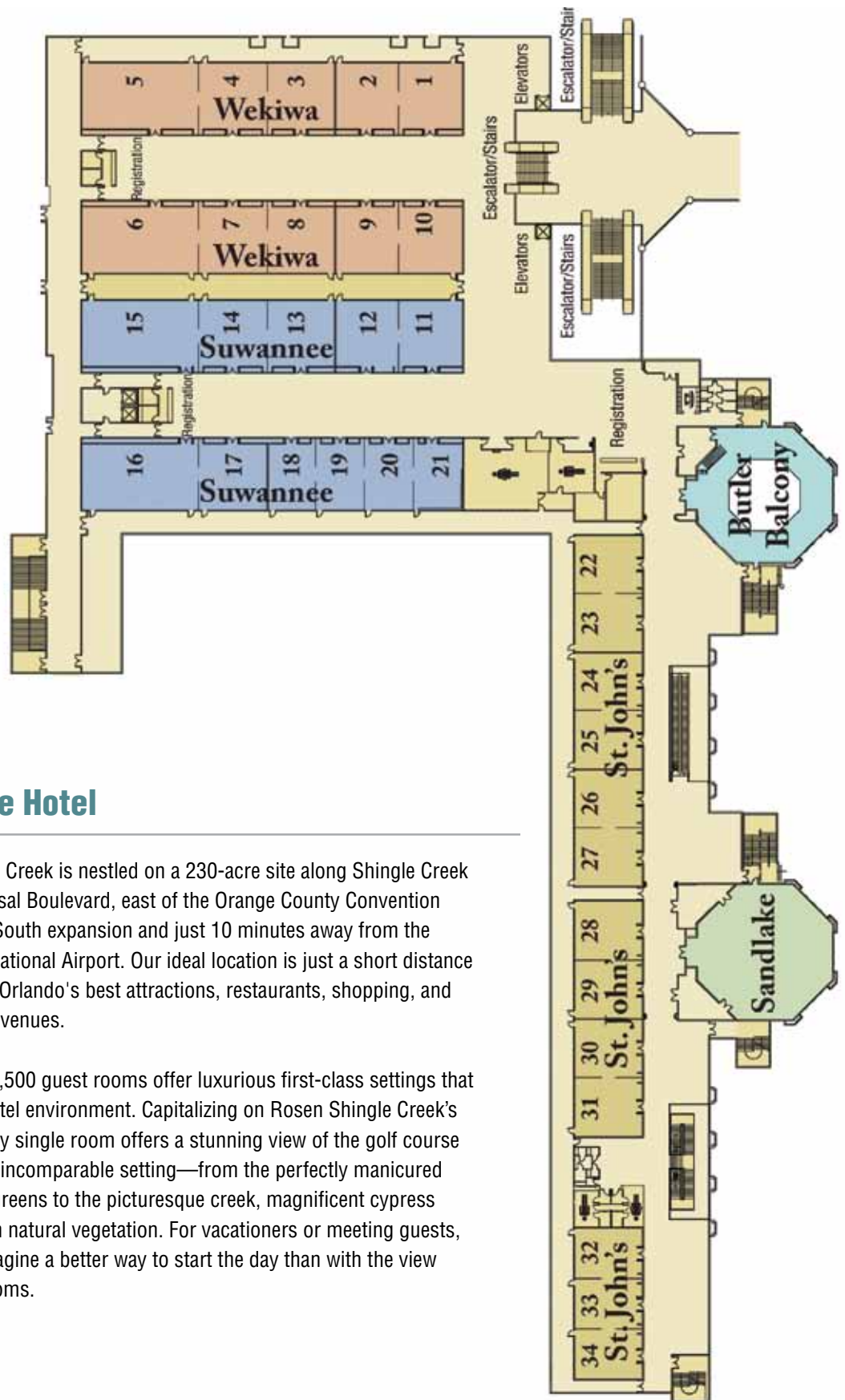
Breakfast (Voucher) 18 Monroe St. Market

Hours for the Air Warfare Symposium Technology Exposition

Thursday 11:30 a.m. – 4:00 p.m.

Friday 7:00 a.m. – 12:00 p.m.

MAP OF HOTEL



About the Hotel

Rosen Shingle Creek is nestled on a 230-acre site along Shingle Creek just off Universal Boulevard, east of the Orange County Convention Center North/South expansion and just 10 minutes away from the Orlando International Airport. Our ideal location is just a short distance to a variety of Orlando's best attractions, restaurants, shopping, and entertainment venues.

This resort's 1,500 guest rooms offer luxurious first-class settings that capture the hotel environment. Capitalizing on Rosen Shingle Creek's elevation, every single room offers a stunning view of the golf course and the area's incomparable setting—from the perfectly manicured fairways and greens to the picturesque creek, magnificent cypress trees, and lush natural vegetation. For vacationers or meeting guests, it's hard to imagine a better way to start the day than with the view from these rooms.

THE START OF THE CYBERGAMES—THE HISTORY OF CYBERPATRIOT

The United States is critically dependent on cyber systems for industry, commerce, communications, and national defense—and the importance of those systems is rapidly growing. As our reliance on cyber technology continues to grow, we are increasingly vulnerable to disruption or exploitation of our computers and networks. The key to cyber protection lies not just in technological advances, but also in people and education.

The Air Force Association (AFA), a non-profit organization headquartered in the Washington, D.C. metropolitan area, recognized this need for the human element and created the nation’s largest and fastest growing high school cyber defense competition.

The first CyberPatriot “games” took place in 2009, at AFA’s 25th Annual Air Warfare Symposium where seven Air Force Junior Reserve Officer Training Corps (AFJROTC) teams and one Civil Air Patrol (CAP) team from the greater Orlando area competed. As a prototype event, no one quite knew how well it would be received. But the enthusiastic responses from the competitors and the positive feedback from the surrounding industry professionals and senior military leaders demonstrated that it was an unqualified success.

For the 2009-10 school year, the competition, though still restricted to Air Force JROTC units and CAP squadrons, went nationwide, conducting three online qualification rounds for nearly 200 teams in 44 states, South Korea, and Japan.

The support from the competition’s industry-leading sponsors helps reaffirm the importance and relevance of cyber security. A generous grant from the program’s presenting sponsor, Northrop Grumman, made full national deployment possible. SAIC supplies their patent-pending software as the platform for the competition. The CIAS at the University of Texas in San Antonio (creator of the National Collegiate Cyber Defense Competition) provides rich instructional materials for the competition. All of these sponsors ensured that CyberPatriot became a reality for high school students nationwide.



Rome Free Academy, New York, in *CyberPatriot II*



CyberPatriot II Champions – Clearfield High School, Utah

CYBERPATRIOT TODAY

CyberPatriot has now reached full national deployment. For the 2010-11 school year, the competition has been made available to thousands of students throughout the country. This year's competition has two divisions, allowing approved public, private, parochial, and home schools to register in the Open Division, irrespective of affiliation with JROTC. Junior ROTC units of all military services and Civil Air Patrol squadrons comprise the All Service Division.

“CyberPatriot continues to encourage young people to explore the ever-evolving cyber realm, and the students are embracing the opportunity,” said Bernie Skoch, CyberPatriot Commissioner. “They are learning about cyber defense, practicing teamwork, enhancing leadership skills and having fun. They are taking in everything CyberPatriot has to offer.”

By registration's October 2010 deadline, more than 650 teams had signed up, representing 48 states, the District of Columbia, the U.S. Virgin Islands, Puerto Rico, and U.S. Department of Defense Dependent Schools in Japan, Korea, and Guam.

The All Service Division had nearly 450 teams competing during the first two preliminary rounds in October and November. But by the third round, only 51 teams remained, having earned scores high enough to compete for the coveted 12 slots available in the Semifinal round.

Now those 12 teams are at it again, hoping to outscore their peers to claim one of the five spots in the All Service Division championship round, to be held March 31–April 1, 2011, at the Gaylord National Resort in National Harbor, Maryland, just minutes from downtown D.C. Those five advancing teams will receive all-expenses-paid trips to the championship round, as well as the opportunity to vie for the Commander-in-Chief's Trophy and scholarship money.



Team Name: The Fearsome Falcon Five

School Name/Location: Clearfield High School, Clearfield, Utah

Coach: Maj. Kit Workman

“In the past two years, CyberPatriot has been amazing in the way it has impacted the lives of the cadets on our teams. This experience has opened a new world to each one of them.”—Kit Workman

Team members:

Braxton Allen—11th Grade

Career aspirations: Computer/electrical/aerospace engineering

Preston Boss—10th Grade

Career aspirations: Physicist

Matt Chisholm—12th Grade

Career aspirations: Game designer

Daniel Hargrave—10th Grade

Career aspirations: Undecided

Hunter Poe—11th Grade

Career aspirations: Lawyer, computer programmer

Eric Takacs—11th Grade

Career aspirations: Computer security



Team Name: Air Pirates

School/Location: John R. Rogers High School, Spokane, Washington

Coach: MSgt. William L. "Loyd" Patton III

"CyberPatriot is an awesome opportunity for high school students. It teaches those students interested in the cyber world teamwork, discipline, and attention to detail. It allows them the opportunity to compete at a level that is both challenging and meaningful. It also allows them to explore additional career opportunities and possibly earn money toward their post secondary education."—William "Loyd" Patton

Team members:

C/MSgt. Chris "Corrupt" Crozier—12th Grade

Career aspirations: Operating remotely piloted vehicles

C/2nd Lt. Ben "The Intruder" Donnelly—12th Grade

Career aspirations: Foreign diplomat

C/AB Cyrus "The Virus" Soheili—10th Grade

Career aspirations: Undecided

C/Capt. Jacob "The Mouse" Thompson—12th Grade

Career aspirations: Network administrator



Team Name: Colt Battalion

School Name: Buena High School, Sierra Vista, Arizona

Coach: Command Sergeant Major (Ret.) Monty McDaniel

"I have seen the Cadets mature and grow throughout the competition. I believe the skills they are developing in this competition will influence their career choices, quality of life, and hopefully, help keep America safer in the years ahead. It has been an outstanding experience."—**Monty McDaniel**

Team members:

Michael Allen—11th Grade
Career aspirations: Army nurse

Dominic Epps—10th Grade
Career aspirations: Aeronautical engineer

Nathan Luick—9th Grade
Career aspirations: Army Special Forces

Benjamin Mussen—10th Grade
Career aspirations: Special operations pilot

David Ousley—11th Grade
Career aspirations: Pediatric pulmonologist

Judge Rains—9th Grade
Career aspirations: Military pilot



Team Name: Nixa Cyber Eagles

School Name: Nixa High School, Nixa, Missouri

Coach: Henry Anton

"In my opinion, CyberPatriot has had value in primarily two areas. First of all, it has brought students together who would not normally hang out with each other. As a result, Nixa's JROTC CyberPatriot team has formed a close friendship based on competitive spirit and a shared interest in computer technology. The second value is that CyberPatriot helps to identify and encourage students who have a talent and ability to work with computers and cyber technology."—Henry Anton

Team members:

Michael Fox—12th Grade
Career aspirations: Teacher

Gabriel Gill—11th Grade
Career aspirations: Diesel engineer

Kristopher Hulsey—12th Grade
Career aspirations: Work on special effects for movies

Micheal Kinsworthy—10th Grade
Career aspirations: Military officer

Andrew Martin—11th Grade
Career aspirations: Military officer

Jason Poole—11th Grade
Career aspirations: Avionics mechanic



Team Name: Buccaneers

School Name: South Aiken High School, Aiken, South Carolina

Coach: Randy Coleman

“Advances in technology will continue to be made and there will always be someone else who will attempt to subvert that technology. The CyberPatriot program is providing an opportunity for the young men and women of today to gain insight into what it takes to recognize and defend against these attempts. The excitement and enthusiasm shown by these competitors bodes well for the United States, as they will be the ones responsible for defending us in the future.”—Randy Coleman

Team members:

Matthew Bauerlin—11th Grade

Career aspirations: Teach AP history/geography courses on the high school level; go into military intelligence or become a college professor

Zachary Coleman—12th Grade

Career aspirations: Aerospace engineer, possibly for the Air Force

Chris Franklin—12th Grade

Career aspirations: Cyber security technician

Joshua Huffines—12th Grade

Career aspirations: To become a medical doctor followed by a career in the Senate

Mark Reboul—9th Grade

Career aspirations: Surgeon

Cody Wilkins—12th Grade

Career aspirations: Engineering

**Team Name: Cyberdawgs**

School Name/Location: Ramona High School, Ramona, California

Coach: Eric Ryan

"The CyberPatriot competition has not only introduced our cadets to cyber defense, but got them excited and engaged in computer security."—Eric Ryan

Team members:

Wyatt Billingsley—11th Grade

Career aspirations: Architect, game designer, writer, or corporate intelligence

Stephen Brumfield—12th Grade

Career aspirations: Aerospace engineer

Jackson Rath—11th Grade

Career aspirations: Navy Seal or doctor/medical field

Alec Richardson—11th Grade

Career aspirations: Naval officer

Brendan Ryan—11th Grade

Career aspirations: US Air Force, in either a computer field or as a pilot



Team Name: Monty Tech Cyber Squad 1

School Name/Location: Montachusett Regional Vocational Technical School, Fitchburg, Massachusetts

Coach: Richard Duncan

"I think this is a great opportunity for the students to demonstrate their skills and to involve them in a vital part of the Information Technology industry."—**Richard Duncan**

Team members:

Ian Duffin—11th Grade
Career aspirations: Air Force pilot

Anders Hederstedt—9th Grade
Career aspirations: Military designer

Robert Labier—12th Grade
Career aspirations: Electronics engineer

Dylan Muzzy—12th Grade
Career aspirations: US Army Special Forces

Griffin Smith—10th Grade
Career aspirations: Army officer

Derek Wheeler—12th Grade
Career aspirations: State Police helicopter pilot



Team Name: Fighting Leatherneck

School Name/Location: Marine Military Academy, Harlingen, Texas

Coach: Edgar Martinez

"CyberPatriot's value is that it creates an interest in the ever growing cyber security industry. It will make career making choices easier, for those who are already technologically inclined."—Edgar Martinez

Team members:

Devin Doughty—12th Grade

Career aspirations: To study all fields of science

Curtis Hamilton—12th Grade

Career aspirations: To be a video game designer

Weiting Liu—12th Grade

Career aspirations: To be a CEO

Juan Nacif Said—10th Grade

Career aspirations: To be a graphic or digital designer

Logan Workman—9th Grade

Career aspirations: To be a lawyer

**Team Name: Cobra Fist**

Unit/Location: Air Academy Composite Squadron (CAP), US Air Force Academy, Colorado Springs, Colorado
Coach: Robin Kimzey

"Computers are the weapons of the Information Age. CyberPatriot teaches the warriors of tomorrow how to use these weapons efficiently and effectively."—**Robin Kimzey**

Team members:

Daniel Bricker—10th Grade
Career aspirations: Marines or Criminal Justice

Sean Michael Coyle—10th Grade
Career aspirations: Architect

Nathan Harmon—12th Grade
Career aspirations: Air Force special operations

Noah Langford—12th Grade
Career aspirations: Aerospace engineer

Daniel Tracy II—10th Grade
Career aspirations: Historian



Team Name: Team Wilson

Unit/Location: Orlando Cadet Squadron (CAP), Orlando, Florida

Coach: Nina Harding

"I could see that CyberPatriot would help these students. This program is a good way to surround the students with good mentors in the computer science and technology field, so they use their computer skills for good."

—Nina Harding

Team members:

C/SMSGt. Matt Allen—10th Grade

Career aspirations: Pilot or computer science

C/1st Lt. Josh Dovi—12th Grade

Career aspirations: Cyber career

C/SMSGt. Evan Hamrick—9th Grade

Career aspirations: Information technology

C/SSgt. Isaac Harding—10th Grade

Career aspirations: Pilot or cyber career

C/TSgt. Michael Hudson—12th Grade

Career aspirations: Audio engineer/cyber defense

C/2nd Lt. Shawn Wilson—10th Grade

Career aspirations: Computer science



Team Name: Wolfpack

Unit/Location: Colorado Springs Cadet Squadron (CAP), Colorado Springs, Colorado

Coach: Bill Blatchley

“Anything of value will be exploited in some way by others. Since computer systems and networks have become integral to business, government, military, and even personal life, those systems will be attacked. CyberPatriot is laying the foundation for further training and education for the next generation. These young men and women will be more prepared than their peers for their roles in business, government, or military service.” —Bill Blatchley

Team members:

Simeon Blatchley—11th Grade

Career aspirations: Business, architecture, law, or FBI

Amanda Church—9th Grade

Career aspirations: Navy

Kyal Lanum—10th Grade

Career aspirations: Computer programmer

Dakota Panco—12th Grade

Career aspirations: Undecided

Chris Vasquez—11th Grade

Career aspirations: Marine Biology or Computer Science

Brook Wincapaw—10th Grade

Career aspirations: AFOSI



Team Name: Knights

School Name/Location: Beach Cities Composite Squadron (CAP), Torrance, California

Coach: Mark Williams

“CyberPatriot requires more than just computer knowledge to be successful. You need teamwork, commitment, leadership, initiative, and a competitive spirit, all important traits that we encourage our cadets to develop. Several of our cadets have already reconsidered their career choice from what they have learned.” —Mark Williams

Team members:

Michael Aguilera—10th Grade

Career aspirations: Business

Andrew Akers—12th Grade

Career aspirations: USAF cyber security specialist or software engineer in a Silicon Valley startup

Anthony Bruno—9th Grade

Career aspirations: Pilot

William Fleury—11th Grade

Career aspirations: Cyber defense/penetration testing and ethical hacking

Joshua Grenier—11th Grade

Career aspirations: Fighter pilot in USAF

Peter Lillington—10th Grade

Career aspirations: US Air Force

NORTHROP GRUMMAN



CyberPatriots,

Congratulations on all your hard work to date and welcome to the All Service Division Semifinals of the CyberPatriot competition! By making it to this important milestone in the competition, you have already proven that you have the necessary interest, determination, and skill in cybersecurity to succeed in this important field.

Each year, the nation's youth are increasingly exposed to new and innovative technology, as well as cyber threats. By taking an interest in cyber defense through CyberPatriot, you are already setting yourself apart from your peers and beginning what we hope will be an exciting and fulfilling career in the cybersecurity field.

As a global leader in cybersecurity, we at Northrop Grumman realize how important it is for you to begin your career path in this area early, and we hope you will continue through college and beyond. The nation is waiting for you to help defend this critical new frontier. Best of luck in this round and we look forward to great accomplishments from you in the future.

Linda A. Mills
Corporate Vice President



CyberPatriots,

The Center for Infrastructure Assurance and Security (CIAS) at The University of Texas at San Antonio (UTSA), which runs the National Collegiate Cyber Defense Competition, has long recognized the need to push the cybersecurity competition concept to the high school level. When AFA approached the CIAS with the idea, we immediately agreed to partner with them. By developing a program that motivates and encourages students to consider cybersecurity as a career path, the CP program is not only providing colleges with a ready supply of motivated security students, but is helping supply the nation with the cybersecurity professionals that it will need in the future. The program also encourages students to consider degrees in science, technology, engineering, and math (STEM) fields which has been identified as a critical national need as well.

Greg B. White
Director of the CIAS



CyberPatriots,

As a founding sponsor, Science Applications International Corporation (SAIC) is excited to welcome the competitors to the CyberPatriot III semifinals. This intense cyber defense competition, hosted on SAIC's CyberNEXS platform, plays an integral part in preparing the nation's cyber warriors of tomorrow. SAIC is committed to workforce modernization through various science, technology, engineering, and mathematics (STEM) initiatives to increase the pipeline of cyber security students. Without programs like CyberPatriot to stimulate real interest, this country faces a significant threat economically and in defense of our critical infrastructure. SAIC continues to invest in innovative technologies and enriching minds to address the ever changing issues that face the nation and world.

Carleton "Duke" Ayers II
Vice President for SAIC

Presenting Sponsor

NORTHROP GRUMMAN

Founding Partners



Strategic Partners



ARE YOU PREPARING FOR THE BIGGEST CYBER GAME OF THE YEAR?!



CyberPatriot is preparing the next generation of cyber leaders in a fun and exciting environment! It's designed to instill in all participants the importance to our nation of cyber, cybersecurity, and good computer security practices.

Registration for CyberPatriot IV begins in March!

Join our cyber adventures!

For questions, contact info@uscyberpatriot.org.