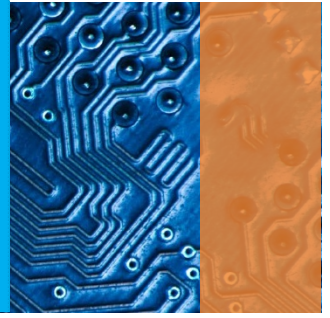




GET S.C.E.T.

Sandia Cyber Education Training



SIGN UP NOW!

Sandia National Labs will be hosting a weeklong program for students in support of the Air Force Association's CyberPatriot program and the MSIPP CECOR program. These trainings are designed to help students learn about cybersecurity and gain important skills that will not only assist them with the AFA CyberPatriot competition, but also provide a foundation in cybersecurity knowledge. This will be completely hosted online, with daily content posted every morning by 8:30am MDT.

Monday, July 13th - Networking and Cryptography

Jump into the basics of computer networking and the world of cryptography. This class will give students the fundamental breakdown of networking topics like the Open Systems Interconnection (OSI) model and more. Additionally, students will gain exposure to the exciting areas of cryptography, like encryption and how we use it to keep our data secure.

Tuesday, July 14th - Windows

Discover methods to quickly configure security policies in the Windows operating system. Learn how to explore and detect weird system behavior via sysinternals and how to create security templates in the Microsoft Management Console (MMC).

Wednesday, July 15th - Linux

Learn the basics of the Linux operating system, from navigating via command line to configuring security policies and settings. This class will cover the basics of Linux and provide students resources to continue their Linux education.

Thursday, July 16th - Basics of Scripting

Learn the basics of automating tasks and configuring security settings with PowerShell and Python. This class will discuss the fundamentals of both scripting languages and provide students a great starting point into the world of scripting.

Friday, July 17th - Competition Day (10:30am-2:00pm MDT)

Are you ready to challenge your new cybersecurity knowledge? The final day of the camp will be an interactive capture the flag (CTF) exercise (What is a CTF? <https://ctfd.io/whats-a-ctf/>) that encompasses all the topics covered throughout the week. Gain bragging rights and be awarded a Sandia cyber challenge coin for participating!

How much cybersecurity experience is required to attend the camp?

This camp expects that students have participated in the CyberPatriot competition or have some basic knowledge of cybersecurity. There will be material and lessons suitable for beginners and advanced students.

What platform will be used to deliver the training?

This event will be hosted via a Capture the Flag (CTF) interface and online virtual machines. The CTF interface and virtual machines will be available via the browser and not require any installation. A virtual machine (VM) is a software program or operating system that not only exhibits the behavior of a separate computer but is also capable of performing tasks such as running applications and programs like a separate computer. A CTF is a type of jeopardy style game that create competition via answering questions for points. These questions are solved by diving into material related to that jeopardy board.

More information on virtual machines and CTFs:

<https://www.techopedia.com/definition/4805/virtual-machine-vm>

<https://ctfd.io/whats-a-ctf/>

What is the timeframe for the camp?

Each day (M-TH) will consist of three sections: a pre-recorded lesson video, a related lab exercise, and practice CTF challenges related to that day's content. Students may work at their own pace and should be able to complete one lesson per day. These exercises will be separate from the CTF competition on the final day.

How can students participate/sign up?

Please fill-out the attached registration form (2 pages) and return it to cagarci@sandia.gov **no later than Monday, June 15th**. Additional details will be emailed once registration is complete.

Is there a fee to attend?

The event is entirely free for students to participate.

Equipment Requirements:

- Computer
- Internet connection

Questions?

Tyler Morris | tylmorr@sandia.gov | 505-589-6438

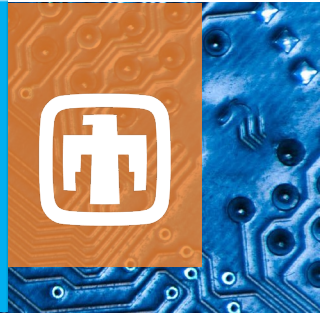
Ted Lapina | tslapina@sandia.gov | 505-844-3468

Troy Stevens | tsteven@sandia.gov | 505-225-6429

Cheryl Garcia | cagarci@sandia.gov | 505-284-5202

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STUDENT PARTICIPATION



STUDENT PARTICIPATION IN EDUCATION PROGRAM RELEASE FORM

1. **Voluntary Participation:** I, _____, acknowledge that my child/ I,
(Parent/ Legal guardian name, or N/A if student is age 18 or older)

_____ is/ am voluntarily participating in a Sandia National Laboratories' Education
(Student's name)

Community Outreach program. GET S.C.E.T (Sandia Cyber Education Training) will be delivered in a virtual format, which may involve one or more of the following: pre-recorded video links, videoconferencing, and/or Program staff communications with students through email or text. Program staff will copy the parent/legal guardian executing this Release Form on all email and text communications with participating students using the email/phone number listed below.

2. **Assumption of Risk:** I understand that there exist potential risks incidental to my child/ myself participating in the Program. I am aware that certain of these dangers and hazards may be incidental to the activities involved. I also realize that not all the risks and hazards of these activities are known. I give my permission for my child/ myself to participate in this activity with knowledge of the possible risk involved of personal injury or property damage. I understand that it is my personal responsibility to judge the suitability of my child's/ my participation in the Program.

3. **Release of Claims:** As consideration for my child/my being permitted to participate in the Program and use of any equipment and the facilities, I agree that I, my assignees, heirs, guardians, and legal representatives will not make a claim against National Technology and Engineering Solutions of Sandia (NTESS), LLC a wholly owned subsidiary of Honeywell International, Inc. which operates Sandia National Laboratories, for any personal injury or property damage resulting from negligence or other acts, howsoever caused, by any employee, officer, agent, subcontractor, or instructor (independent contractor or otherwise) of NTESS, or any other third party, as a result of my child's/ my participation in the Program. I hereby release NTESS, of all liability or responsibility that my assignees, heirs, guardians, and legal representatives may have or may hereafter have for personal injury or property damage resulting from my child's/my participation in the Program.

I agree that in the event any claim for personal injury or property damage shall be prosecuted against NTESS, its agents, officers, employees, subcontractors, instructors (independent contractors or otherwise), I, my assignees, heirs, guardians, and legal representative shall hold NTESS, it's agents, officers, employees, subcontractors, instructors (independent contractors or otherwise), harmless from any and all claims or causes of action by whomever or wherever made or presented for personal injuries or property damage.

4. **Photo/Video Release:** I grant NTESS permission to photograph or videotape my child/ me for promotional, educational, and media related purposes.

Please check here if you prefer student to NOT be photographed or videotaped.

5. **Knowing and Voluntary Execution:** I have carefully read this Student Participation in Education Program Release Form and fully understand its contents. I am aware this is a release of liability and contract between myself and NTESS and sign it of my own free will. I am fully aware of the legal consequences of signing this document.

(Students age 18 and older should complete the information and signature blocks below on their own behalf, as non-minor participants)

Parent/ Guardian/ Non-Minor Participant Name (Print) Parent/ Guardian/ Non-Minor Participant Signature Date

Parent/ Guardian/ Non-Minor Participant Phone Number(s) Parent/ Guardian/ Non-Minor Participant Email



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STUDENT PARTICIPATION



STUDENT'S NAME: _____

PARENT'S EMAIL: _____

STUDENT'S EMAIL: _____

SCHOOL: _____

GRADE: _____

IN CASE OF AN EMERGENCY CONTACT:

Name

Phone Number

MAILING ADDRESS: _____

Thank You Partners!



ANDERSON SCHOOL
OF MANAGEMENT



CECOR
Consortium
Enabling
Cybersecurity
Opportunities &
Research



Sandia National Laboratories is a multimission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525.



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