Free Cybersecurity Curriculum Toolkit for Georgia CTAE Teachers

This toolkit is designed to support new and experienced teachers implementing Georgia's cybersecurity and computer science CTAE pathways. These free, high-quality resources align with state standards and provide engaging, hands-on content for students while supporting teacher confidence.

Cisco Skills for All

- Self-paced, beginner-friendly online courses
- Includes Cybersecurity Pathway and Cybersecurity Essentials
- Offers digital badges and completion certificates
- Teachers and students can both use it to upskill

Website: https://skillsforall.com

Cisco Networking Academy

- Full classroom curriculum (Intro to Cybersecurity, IT Essentials)
- Pacing guides, lesson plans, and assessments included
- Aligned with Georgia's Introduction to Hardware Technology and Cybersecurity courses
- Requires school/teacher registration **(**To learn more about how to become a cisco academy see flyer or email GCITC at e1337training@augusta.edu)

Website: https://www.netacad.com/courses

Cyber.org (DHS-Funded)

- Free K-12 cybersecurity curriculum
- Hands-on labs, teacher guides, and videos
- Covers cyber literacy, networking, digital citizenship
- Funded by the Department of Homeland Security

Website: https://www.cyber.org/

Try-Hack-Me

- Gamified, browser-based cybersecurity labs
- Free tier available with engaging beginner content
- Great for high school students looking to apply concepts
- Reinforces cybersecurity fundamentals in a fun, interactive way

Website: https://tryhackme.com

Code.org: Has a wide range of lessons, how-to guides, videos and more!
For Ages: Kindergarten – Grade 12 **Topic:** programming
https://code.org/

Unplugged: A collection of free learning activities that teach Computer Science through engaging games and puzzles that use cards, string, crayons, and lots of running around.
For Ages: Kindergarten – Grade 12 **Topic:** programming, networking, and security
http://csunplugged.org/

Additional Resources:

https://www.uscyberpatriot.org/home - CyberPatriot is the Air Force Association's National Youth Cyber Education Program, created to inspire K-12 students toward careers in cybersecurity or other science, technology, engineering, and mathematics (STEM) disciplines critical to our nation's future.

Nearpod – Interactive classroom tool for teachers to engage students with interactive lessons. Connect students to the presentation through their device.

Sutori – Interactive timeline/story maker. It can include text, pictures, questions, images, videos, etc.

Gimkit - Game show for the classroom that requires knowledge, collaboration, and strategy to win - created by high school students

Quizlet - Easy way to study, practice, and master knowledge with flashcards, games, and other learning tools

Trello - Trello's boards, lists, and cards enable you to organize and prioritize your projects in a fun, flexible, and rewarding way.

Kahoot - game based learning platform featuring real time response from students using tablets, mobile devices, or computers.

Storyboard That - students can create comic strip stories for visualization and creativity

Khan Academy:
Offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside of the classroom.
For Ages: Kindergarten – Grade 12
Topic: programming
https://www.khanacademy.org/

Teach Cyber: The teaching materials is for educators interested and ready to teach high school cybersecurity. For High School Teachers
https://teachcyber.org/

Python Institute
The Python Institute, powered by OpenEDG, offers globally recognized certifications and learning resources to help students and professionals build and validate Python programming skills. With a structured curriculum and high-stakes exams, it supports career development in coding and related technologies.

https://pythoninstitute.org/