

The Skills Needed for a Career in Cyber

TOPIC: CAREER AWARENESS

GRADES: 9-12

LESSON DURATION: 30-45 MINUTES

SOFT SKILLS: COMMUNICATION, COLLABORATION, CRITICAL THINKING, CAREER PLANNING

Introduction:

- The Department of Homeland Security and The National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework have provided a list of necessary skills for a career in cyber. Students interested in technology and other core subjects may be surprised to see the wide range of skill sets and careers available.

Learning Outcomes:

- Through the use of the NICCS website, students will learn the skills needed for a career in cybersecurity.

Materials:

- NICCS website: <https://niccs.us-cert.gov/workforce-development/cyber-security-workforce-framework>
- [Webquest for student completion](#)

Activities:

1. This lesson is designed to give students an understanding of the wide array of skills needed as well as the variety of jobs available in cybersecurity. The teacher can utilize the website in a pre-existing lesson.
2. If no pre-existing lesson is available, the teacher could have students complete the following activity.
3. Direct all students to the NICCS website. Have them complete the [webquest available here](#).
4. Students could then be asked to present the information learned. Students could be asked to present 1 career that interests him/her and one career in which he/she has no interest whatsoever and explain why. An informal discussion on the future of the careers presented could also occur during the class.

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