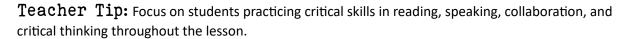# Password? Protected!

Don't forget to Make an Achievery account for each student! **Make your account for the Achievery in English** or **Make your Account for the Achievery in Spanish**

Objective: Students will understand that cybersecurity is a practice that aims to protect networks, devices, and data from unauthorized access or criminal use and provides confidentiality, integrity, and availability of information. Students will learn how to create strong passwords for their accounts and devices and why they need to. Students will practice vocabulary.

Grade Span: 4th-OSY

Subjects: Digital Literacy

Teacher Tip: Focus on students practicing critical skills in reading, speaking, collaboration, and critical thinking throughout the lesson.

Lesson: We share a LOT of personal info online: pictures, videos, interests, relationships, etc. All of that is data. Use the Achievery Lesson Resource: The Importance of Cybersecurity How can we stay safe online? What is Cybersecurity? Meet Sophie and discover the importance of Cybersecurity. This learning unit was developed in collaboration with cybersecurity experts from AT&T.

Resource: Incorporate lessons and vocabulary from the Student Portal OSY resource Practical Money Skills: Security Online. *Available in English and Spanish.*

Activity: Lock it Down! Use the Achievery Lesson Resource: Creating a Good Password. In this activity, students learn how to make a good password for their online accounts.

Email address

Password

ilik3banana$

Activity: And the Password is…

Password (also known as Hot Seat) is a simple ESL game that takes no pre-class preparation and is a great way for students to practice their vocabulary and speaking skills.

The game of Password is a speaking activity that helps students review vocabulary and practice an important skill: describing something they don't know the word for. Students describe a vocabulary word with one-

word clues, like the old game Password. It's the perfect way to help keep some old words fresh in your students' minds and review English vocabulary.

Remember, we can do A LOT to help our students remember new words by reviewing them in class periodically. Password is an excellent way to do this. Password can also be used as a short warm-up game to review material from the previous class, or a quick filler at the end of class.

Materials required: White board and marker, a timer.

Number of students: 2+

Skills practiced: Listening, speaking, and vocabulary.

ESL Level: All levels

How to Play: Divide students into two groups. You need a minimum of two per team.

Place a chair in front of the whiteboard facing away from the board.

The groups will alternate sending a team member (captain) to the front of the class.

Write a word over their head, so the teammates can see and read it, but the captain cannot.

Write a word on the board, for example, "car."

The team must give the captain hints (not using the word in question) until they guess the word or time runs out (10-20 seconds). The team with the most points wins.

One team member sits in the chair and the other team members must explain the word on the board to the student in the chair (without saying the actual word.)

If the student says the correct word the team is awarded a point. Keep a score of the points and the team with the highest number of points is the winner.

Take it farther! Build on this lesson with additional resources from the Student Portal and lesson plans from The Achievery such as:

NOVA Cybersecurity Lab Lesson Plan from PBS: Grades 6-12 In this media-rich lesson plan, students explore how to keep their digital lives safe, spot cyber scams, and learn the basics of coding from NOVA Labs. The lesson begins with students watching the Cybersecurity 101 video and discussing the online safety measures that they currently take. Next, students make predictions about online safety best practices, complete the Level 1 challenges of the NOVA Cybersecurity Lab, and compare the best practices from the game with their predictions. Students reconvene for direct instruction on the best practices and key computer science terms, and then finish the Cybersecurity Lab game. Finally, students complete the video quizzes with short-response discussion questions and can work on the Cybersecurity stories as homework reading assignments.

What's wrong with your pa$$w0rd? TED Talk by Lorie Faith Cranor. Lorrie Faith Cranor studied thousands of real passwords to figure out the surprising, very common mistakes that users -- and secured sites -- make to compromise security. And how, you may ask, did she study thousands of real passwords without compromising the security of any users? That's a story in itself. It's secret data worth knowing, especially if your password is 123456 ...

Cybersecurity 101 from NOVA: Learn why protecting your information online is crucial with this video that introduces the NOVA Cybersecurity Lab game. The Internet was originally designed to connect large computers at universities, businesses, and governments. It grew exponentially once personal computers became common in the 1980s. Connecting to the Internet leaves computers vulnerable. People can use computers to delete data, spread viruses, or even steal someone's identity. The good news is that there are several ways to stay safe online. You can learn about protecting information by trying coding, password cracking, and spotting email scams in NOVA's Cybersecurity Lab. Note: Animation includes illustrated guns.

All About Cybersecurity: If you like technology and solving problems, cybersecurity might be for you. In this lesson, you'll learn all about one of the common roles in cybersecurity: being a security analyst. Then you'll use the new facts you've learned to give advice to someone who might be a great fit for this kind of path.

Where the link might take you: Identity theft Your digital identity can be stolen. Shocked? Don't worry! Julie and Melissa will share some useful information that can help you avoid being a victim of an identity theft. This learning unit was developed in collaboration with cybersecurity experts from AT&T.

Your Money Online Basics from Practical Money *available in English and Spanish*

Identity Theft from Practical Money *available in English and Spanish.*