



MADLY PRODUCTIVE PATHWAYS

PROJECT-BASED CTE CURRICULUM
FOR BUSINESS & TECH CLASSROOMS



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- Real-World Scenarios
- Answer Keys

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START HERE

Start Here

One 45-minute lesson. Every page is printable and keyed, you need no background in the topic, and the guided notes follow the slides in order.

What students learn today

Today you will learn how attackers crack passwords, and what makes a password hard to crack.

What is in this download

Folder	What is inside	When you need it
01 Present	The slide deck and the bell ringer	While you teach
02 Student Handouts	Guided notes (PDF and Word), 10-word glossary	Print one per student
04 Activities	Audit the Sign-Up Page	The middle of the period
05 Assessment	Exit ticket, and the Google Forms link page	End of the period
06 Answer Keys	Every key, in one file	Grading

The period, minute by minute

Minutes	What happens	What students need
0-5	Bell Ringer: Which One Takes Longer to Guess?	Bell Ringer
5-19	Slides. Students fill the guided notes.	Slides and Guided Notes
19-38	Audit the Sign-Up Page. Students work alone, then check with a partner.	Activity sheet
38-45	Exit ticket, collected on the way out.	Exit Ticket

How to grade it

Give 1 point per rule and 1 point for the last question, 7 points in all. A rule earns its point when the circle matches the current rules and the box gives the reason. A blank box earns no point.

Use the exit ticket. A student who understands says a stolen hash file still has to be cracked by guessing, so long, uncommon passwords are the hardest to crack.

EVERYTHING IS MADE UP

Every person, account, website and password in this lesson is invented. Never type a real password into a class activity, and never share one with anybody, including a teacher.

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