MADLY PRODUCTIVE
PATHWAYS
PROJECT-BASED CTE CURRICULUM
FOR BUSINESS & TECH CLASSROOMS

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MADLY PRODUCTIVE PATHWAYS

YOU'RE ALL SET!

Your lesson files are in the folders beside this guide. Here is everything else worth knowing.

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Spotted a typo, or an answer key that looks off?
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BUILD YOUR CURRICULUM TOOLKIT

Check out these matching resources to save time and facilitate meaningful learning.



Click to see the Unit 1 Curriculum



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PROJECT-BASED. REAL-WORLD. FUTURE-READY.

START HERE

Start Here

This lesson takes three 45-minute periods. Everything is printable, and every page has a key. You don't need a computer science background to teach it.

Students should already know: Students don't need to know anything about security yet. They have used a phone, a laptop or the internet, and that is enough. No one needs to have used a terminal before.

Every file, and when you use it

File	Folder	What it is	When you use it
Teacher Guide and Pacing	00 Start Here	The plan for each day, what to print and how to grade	Before you start
Skills map	00 Start Here	Which Florida standards each day teaches	When you plan
Slide deck	01 Present	One deck for all three days. Each day starts at its own dark Day slide, and the speaker notes say what to say.	Every day
Slide script	01 Present	The speaker notes, printed	If you want your notes on paper
Bell ringers	01 Present	A short warm-up for each day	At the start of each day
Google Slides	01 Present	A page with a link that makes your own Google Slides copy of the deck. It has the same slides and speaker notes.	If you teach from Google Slides
Guided notes	02 Student Handouts	One packet for all three days, in PDF and Word. Students fill in the blanks during the slides, with the word bank on the page.	During the slides, every day
Vocab slip	02 Student Handouts	The lesson's words and what they mean, on one page	Day 1. Students keep it.
Whose Job and What Needs Protecting	04 Activities	Students sort 10 workplace tasks into cybersecurity or information assurance and explain two of them. Then partners name the data, device or network that each of six cases must protect. Everything is on paper.	Day 1, the middle of the period
Then and Now	04 Activities	Students put 10 real events in order and write what the internet changed for three of them. Everything is on paper, so a substitute can run the day.	Day 2, the middle of the period
Practice Round	04 Activities	Students review, work a practice round alone on paper, then take the lesson quiz on paper with computers closed.	Day 3, before the quiz
Exit tickets	05 Assessment	Quick questions that show who needs more help	At the end of each day
Lesson quiz	05 Assessment	8 multiple-choice questions and 2 written answers about all three days	Day 3, after Practice Round

File	Folder	What it is	When you use it
Google Forms	05 Assessment	A page with links that make your own Google Forms copies of the exit tickets and the quiz. The multiple choice grades itself. Never give students these links.	If students answer online instead of on paper
Answer keys	06 Answer Keys	A key for each day (its bell ringer, notes and exit ticket) and the activity keys, plus the quiz key	When you grade

The fastest way to run it

1. Print one guided notes packet for each student. It covers all three days, with a header for each day.
2. Open the slide deck. Each day starts at its own dark Day slide, so you always know where today begins. The speaker notes under each slide say what to point to, what to say and which blanks to fill in. The same notes are printed in 01 Present/Slide_Script_and_Speaker_Notes.pdf.
3. Run the activity or lab in the middle of the period. That is where students practice the day's skill.
4. Collect the exit ticket on the way out. It takes a few minutes and shows you who needs more help.

The lesson quiz is on Day 3

Day 3, Quiz: What Cybersecurity Protects and How It Grew, reviews the lesson first, in its slides and notes. Then students do a short practice task and take the quiz.

- **When:** Day 3, after Practice Round. Collect that sheet before the quiz.
- **What's on it:** 8 multiple-choice questions and 2 written answers. They cover all three days.
- **How long:** about 15 minutes. Students work alone.
- **Points:** 12 in all. Part A has 8 three-choice questions worth 1 point each. Part B has 2 written questions worth 2 points each. You grade the written answers by hand.
- **The key:** 06 Answer Keys/1.1_Lesson_Quiz_Answer_Key.pdf. It gives the right choice and the reason for each choice question, and for each written one, a sample answer and what to look for.

If you're short on time

Keep every day's slides and notes, because the quiz covers all three days. To save time, skip the Day 1 or Day 2 bell ringer and one exit ticket. Day 2 is all on paper, with full speaker notes, so a substitute can run it.

Safety and ethics

This lesson names real attacks, like the Morris worm, only to show how security grew. It never shows how an attack works step by step, and every task is done on paper.

WHAT'S REAL AND WHAT'S INVENTED

Every person, school, company and case in this lesson is invented, including Pine Hills Middle School, Greenfield Bank and Lakeside Library. The events on the timeline are real: MIT's early passwords, Creeper, the Morris worm, the World Wide Web, Wi-Fi, Amazon's cloud storage, the iPhone and CISA.

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