

Start here

Unit 10, Files and Real Data. Computer Programming I, Digital Technology cluster.

What you were sent

53 documents. Every one is complete on its own and opens in Word.

Folder	Files	What it is
Teacher	32	A plan per lesson, a substitute one pager per lesson, the unit overview, the course scope and sequence
Student	19	One file per handout
Index	1	Every file, copies needed, paper stock

How the names work

CP1_U10_L03a_HANDOUT_Error-Message-Lab.docx

Course, unit, lesson, what it is, what it is called. Alphabetical order is teaching order. The same code prints in every footer.

Files ending _SUPPORT carry more structure. Files ending _STRETCH ask for more judgment. Available for: File Feeds the Program.

Files with SUB- in the name are one page substitute plans.

Before day one

Read the teacher preparation notes in the unit overview.

What to copy, and when

Handout	Use with	Pages	Copies
Computer Programming I	Keep all year	24	1 per student, keep all year
Unit 10 Student Guide: Files and Real Data	Keep all year	12	1 per student, keep all year

Handout	Use with	Pages	Copies
File Operations Card	Keep all year	8	1 per pair, laminate
Where Does a File Live?	Lesson 1	6	1 per student
Reading a File	Lesson 2	8	1 per student
When the File Is Not There	Lesson 3	6	1 per student
Writing a New File	Lesson 4	8	1 per student
Adding Without Destroying	Lesson 5	6	1 per student
Unit 10 Mid-Unit Checkpoint	Lesson 6	6	1 per student, print same day
Comma Separated Values	Lesson 7	8	1 per student
Reading a CSV Into Lists	Lesson 8	8	1 per student
Cleaning What You Read	Lesson 9	10	1 per student
Writing a CSV	Lesson 10	8	1 per student
Read, Process, Write	Lesson 11	10	1 per student
Where Data Comes From	Lesson 12	10	1 per student
The File That Feeds the Program	Lesson 13	10	1 per student, staple
Unit 10 Self-Assessment and Reflection	Lesson 15	10	1 per student

Fonts

IBM Plex Sans and IBM Plex Mono, both embedded. Code is set in the monospace face everywhere it appears.

Edition

Edition 2026.1. Aligned to the Maryland CTE course standards adopted by the State Board in September 2025.