

Start here

Unit 7, Arrays. Computer Programming I, Digital Technology cluster.

What you were sent

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

Folder	Files	What it is
Teacher	38	A plan per lesson, a substitute one pager per lesson, the unit overview, the course scope and sequence
Student	34	One file per handout
Index	1	Every file, copies needed, paper stock

How the names work

CP1_U07_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: Binary Search, Off the End, Seating Chart, Sorting an Array.

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 7 Student Guide	Keep all year	18	1 per student, keep all year

Handout	Use with	Pages	Copies
Array Syntax Card	Keep all year	5	1 per pair, laminate
Sentence Frames for Rows and Columns	Keep all year	4	1 per pair, laminate
Ten Variables or One Name	Lesson 1	8	1 per student
Fixed Length: Python Beside Java	Lesson 2	6	1 per student
Reading and Writing One Slot	Lesson 3	8	1 per student
Off the End	Lesson 4	6	1 per student
Walking an Array	Lesson 5	8	1 per student
For-Each and Its Limits	Lesson 6	6	1 per student
Totals, Counts, Highest and Lowest	Lesson 7	8	1 per student
Unit 7 Mid-Unit Checkpoint	Lesson 8	8	1 per student, print same day
An Array of Objects	Lesson 9	8	1 per student
Partly Full Array Card	Lesson 9	3	1 per pair, laminate
Searching From the Front	Lesson 10	6	1 per student
Searching a Sorted Array	Lesson 11	8	1 per student
Putting an Array in Order	Lesson 12	8	1 per student
Sort Trace Cards	Lesson 12	2	1 set per pair, card stock
A Table Is an Array of Rows	Lesson 13	6	1 per student
One Cell, and the Whole Grid	Lesson 14	6	1 per student
Row and Column Totals	Lesson 15	6	1 per student

Handout	Use with	Pages	Copies
Grids and Tables in Real Systems	Lesson 16	6	1 per student
The Seating Chart	Lesson 17	14	1 per student, staple
Boundary Test Table	Lesson 17	8	1 per student
Grid Planning Grid	Lesson 17	6	1 per student
Unit 7 Self-Assessment and Reflection	Lesson 18	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.