

Start here

Unit 8, ArrayList and Collections. Computer Programming I, Digital Technology cluster.

What you were sent

62 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	28	One file per handout
Index	1	Every file, copies needed, paper stock

How the names work

CP1_U08_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: Count the Work Lab, Roster That Grows, Structure Cost Lab.

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

Handout	Use with	Pages	Copies
Unit 8 Student Guide	Keep all year	16	1 per student, keep all year
ArrayList Method Card	Keep all year	4	1 per pair, laminate
Sentence Frames for Comparing Structures	Keep all year	2	1 per pair, laminate
Why the Array Ran Out of Room	Lesson 1	6	1 per student
Your First ArrayList	Lesson 2	8	1 per student
Why a List Will Not Hold an int	Lesson 3	8	1 per student
Add, Get, Change, Remove	Lesson 4	8	1 per student
Walking the Whole List	Lesson 5	8	1 per student
The List Methods You Will Use	Lesson 6	6	1 per student
Unit 8 Mid-Unit Checkpoint	Lesson 7	4	1 per student, print same day
Count the Work Lab	Lesson 8	10	1 per student
What Each Structure Costs	Lesson 9	6	1 per student
Structure Choice Card	Lesson 9	3	1 per pair, laminate
Searching a List, Two Ways	Lesson 10	8	1 per student
Sorting a List	Lesson 11	8	1 per student
A List of Your Own Objects	Lesson 12	8	1 per student
Who Decides How Data Is Stored	Lesson 13	4	1 per student
The Roster That Grows	Lesson 14	14	1 per student, staple
Cost Comparison Card	Lesson 14	4	1 per pair, laminate

Handout	Use with	Pages	Copies
The Roster That Grows Rubric	Lesson 14	6	1 per pair, laminate
Unit 8 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.