

Start here

Unit 5, Designing Your First Class. 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_U05_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: Choosing the Fields, Constructor Guarantees, Object Worth Designing, What a Reference Points At.

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 5 Student Guide	Keep all year	16	1 per student, keep all year
Class Anatomy Card	Keep all year	4	1 per pair, laminate
Sentence Frames for Talking About Objects	Keep all year	4	1 per pair, laminate
The Pile of Variables	Lesson 1	8	1 per student
Blueprint or Building	Lesson 2	6	1 per student
Class and Object Sorting Cards	Lesson 2	3	1 set per pair, card stock
Choosing the Fields	Lesson 3	8	1 per student
Choosing the Methods	Lesson 4	8	1 per student
Your First new	Lesson 5	6	1 per student
Two Objects, Two Sets of Values	Lesson 6	6	1 per student
What a Reference Points At	Lesson 7	6	1 per student
Unit 5 Mid-Unit Checkpoint	Lesson 8	6	1 per student, print same day
Why Private	Lesson 9	10	1 per student
Getters and Setters Audit	Lesson 10	8	1 per student
What the Constructor Guarantees	Lesson 11	8	1 per student
The Impossible Object	Lesson 12	8	1 per student
A Second Constructor	Lesson 13	6	1 per student
this and the Shadowed Parameter	Lesson 14	10	1 per student
Methods That Change State	Lesson 15	10	1 per student
Class File Layout Card	Lesson 15	3	1 per pair, laminate

Handout	Use with	Pages	Copies
Who Designs the Objects	Lesson 16	6	1 per student
The Object Worth Designing: Design Sheet	Lesson 17	6	1 per student
The Object Worth Designing	Lesson 17	14	1 per student, staple
Invalid State Test Card	Lesson 17	2	1 per pair, laminate
Unit 5 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.