

Start here

Unit 2, Types and Expressions. Computer Programming I, Digital Technology cluster.

What you were sent

68 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	34	One file per handout
Index	1	Every file, copies needed, paper stock

How the names work

CP1_U02_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: Casting Lab, Honest Calculator, What Variable Holds, Where Money Went.

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

Before day one

This unit is where students write their first code. Set up the environment before Lesson 1 and run one program yourself on a student machine. Lesson 1 carries a full offline fallback for the day the network fails, and you should read it before you need it.

What to copy, and when

Handout	Use with	Pages	Copies
Computer Programming I	Keep all year	24	1 per student, keep all year
Unit 2 Student Guide	Keep all year	12	1 per student, keep all year
Java Type Card	Keep all year	4	1 per pair, laminate
Sentence Frames for Explaining a Number	Keep all year	3	1 per pair, laminate
The Type Tour	Lesson 1	12	1 per student
Whole Numbers and Decimals	Lesson 2	10	1 per student
One Character, True or False	Lesson 3	10	1 per student
What the Variable Holds	Lesson 4	10	1 per student
Primitive or Reference Card	Lesson 4	4	1 per pair, laminate
Operators and Order	Lesson 5	8	1 per student
Operator Precedence Card	Lesson 5	3	1 per pair, laminate
Where the Money Went	Lesson 6	8	1 per student
Remainder Lab	Lesson 7	8	1 per student
Unit 2 Mid-Unit Checkpoint	Lesson 8	8	1 per student, print same day
Shortcuts and Constants	Lesson 9	10	1 per student
Java Converts For You	Lesson 10	8	1 per student
Saying It Yourself	Lesson 11	10	1 per student
Conversion Rules Card	Lesson 11	4	1 per pair, laminate
Cut or Round	Lesson 12	10	1 per student

Handout	Use with	Pages	Copies
Math Methods Card	Lesson 12	3	1 per pair, laminate
What a Rounding Error Costs	Lesson 13	8	1 per student
The Calculator That Is Honest About Money	Lesson 14	14	1 per student, staple
Type Table	Lesson 14	6	1 per student
Failure Exhibit Sheet	Lesson 14	6	1 per student
Honest Calculator Rubric	Lesson 14	4	1 per pair, laminate
Unit 2 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.