AP CSA · MASTER GRADING KIT

Unit 8 — 2D Array

Big Idea: VAR (Variables & Data Types) | **Code.org unit:** Unit 8 | **Teacher:** _____ **Period:** _____

Your one-page map of everything graded in Unit 8: point values, weights, and the AP objective each item builds toward. Use it alongside the answer keys (folder 02) and the feedback bank (folder 05).

1 · Graded items and point values

Graded item	Points	Category	AP objective
2D array access & bounds	15	Practice	VAR-2.I
Row-major traversal	20	Practice	VAR-2.J
Row/column algorithms	15	Practice	VAR-2.K
Unit 8 quiz (20 Q)	20	Assessment	all VAR-2
Handwritten 2D array FRQ (FRQ #4 style) AI-PROOF	30	Performance	VAR-2.J/2.K
Unit total	**100**		

AI-proofing: items marked AI-PROOF are the handwritten, in-class replacements (folder 03) you assign when a student's digital work trips the AI red-flags. Same AP objective, no shortcut.

2 · Suggested category weights (gradebook)

Category	Weight
Practice (formative)	30%
Assessment	35%
Performance task	35%

These weights are pre-loaded in the gradebook CSV (folder 04). Change one cell and every grade recalculates.

3 · AP learning-objective coverage (put this on the wall)

Track per class. If the class average on any objective is below 70%, re-teach it *before* the AP exam.

Objective	Students must be able to…
VAR-2.I	Declare, initialize, and access 2D arrays (row, column).
VAR-2.J	Traverse 2D arrays with nested loops (row-major order).
VAR-2.K	Apply algorithms across rows/columns (sum, max, search).
CON-2.K	Use nested enhanced-for over 2D arrays.
VAR-2.L	Understand a[r].length for jagged/rectangular arrays.

4 · Grading order that saves time

1. **Quiz/assessment first** — objective, tells you instantly where the class stands.
2. **Skills work by station** — grade one item across the whole stack, then the next. 2–3× faster.
3. **Performance task last**, with the interactive grader (folder 06) open — click criteria, paste feedback.