

Answer Keys & Grading Notes

Objective-aligned exemplars, full-credit models, and the mistakes to watch for. **Do not distribute to students.**

True-up step: the objective sections below are built from the AP learning objectives. Paste your real Code.org prompts into chat and I'll fill exact question-by-question keys. The *AI-Proof Worked Answers* section matches the handwritten assignment exactly.

College Board Create PT scoring (6 points, one per row)

This mirrors the official AP scoring guidelines — align your grading here since it's the real exam task.

Row	Earns the point when...
1 Purpose	Response describes the program's purpose AND what it does / how a user interacts.
2 Data abstraction	Shows a list storing data used by the program AND explains how it manages complexity (program would be harder without it).
3 Procedural abstraction	Student-developed procedure with a parameter whose value affects the result, shown in code.
4 Algorithm	The procedure includes sequencing, selection, AND iteration integrated to fulfill its purpose.
5 Testing	Describes two calls with DIFFERENT arguments that cause different outcomes, and states each result.

Common mistakes: Using a built-in list only (not managing complexity); a parameter that doesn't change the result; procedure with no selection or no iteration; two 'tests' with the same effect.