

Unit 2 — The Internet

Big Idea: CSN (Computing Systems and Networks) | **Code.org unit:** Unit 2 | **Teacher:** _____

Period: _____

Your one-page map of everything graded in Unit 2: 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
Protocols & packets worksheet	20	Practice	CSN-1.A/1.B
IP, DNS & routing responses	20	Practice	CSN-1.B/1.C
Bandwidth vs. latency short response	10	Practice	CSN-1.E
Fault tolerance & redundancy	10	Practice	CSN-1.C/1.D
Unit 2 concept quiz (25 Q)	25	Assessment	all CSN-1
How the Internet Works — Handwritten Brief AI-PROOF	40	Performance	CSN-1.B
Unit total	125		

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...
CSN-1.A	Explain how computing devices form networks by sending/receiving data through paths.
CSN-1.B	Explain how the Internet works as a hierarchy of interconnected networks using protocols.
CSN-1.C	Explain the redundancy and reliability of routing on the Internet.
CSN-1.D	Describe fault tolerance and why it matters for a network like the Internet.
CSN-1.E	Compare bandwidth and latency; explain how they affect data transmission.

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.