

Engineering Week — Evidence Synthesis



NAME _____ | DATE _____ | PERIOD _____

Results Pattern

One pattern across anonymous bridge/sample results:

One exception or limitation:

The evidence—not a team ranking—that supports my claim:

Rover Tradeoff

Complete the rover design once on FYF p. 107. Use this section for the transfer reasoning.

Two constraints:

1. _____
2. _____

One design tradeoff and evidence behind it:

How the same define-test-revise cycle appears in the bridge and rover tasks:

Word bank: constraint · tradeoff · pattern · exception · transfer

Use this frame: Across the bridge results, [pattern] appeared, except [exception]. In the rover design, I traded [choice] for [benefit] because [constraint].

Weekly Synthesis

Selected engineering career and accurate preparation fact:

Assessment and possible impact on my goal:

Emerging specialty and evidence that qualifies it:

Bridge result and supported redesign:

Use this frame: A [career] commonly needs [preparation]. [Assessment] may affect [goal], but I must verify [boundary]. [Specialty] is changing because [driver]. My redesign uses [result evidence].

Pathway Next Step

MacArthur public page label: **Engineering**

2026–27 coursebook label: **Civil Engineering**

Use this frame: The high-school pathway can help me [preparation step], but I would still need [postsecondary step]. I would verify [question] with [authorized source].

How this high-school pathway can support preparation without completing the bachelor's/licensure route, including one detail I would verify with a counselor or current program contact:
