

Assessment Impact and Emerging Engineering Work

NAME _____ DATE _____ PERIOD _____

Current Assessment Cards

ASSESSMENT	CURRENT BOUNDED USE	WHAT MUST BE VERIFIED
PSAT 8/9	Grade 8 or 9 readiness baseline; Reading and Writing + Math; not sent to colleges	Whether/when the district or school administers it
SAT / ACT	May support readiness, admission, placement, or scholarships; institution and cycle policies vary	Current institution/major/scholarship policy; ACT science availability varies and is not part of the enhanced Composite
TSIA2	Used for readiness/placement for entering non-exempt Texas public-college students	Current exemption and dual-credit rules
ASVAB	Used by armed services for enlistment eligibility and occupational qualification	Current branch/program requirements and score use

Sources accessed August 2026: College Board, ACT, Texas Higher Education Coordinating Board, and official military/ASVAB information.

Emerging Specialty Cards

TRANSPORTATION ENGINEERS — O*NET 17-2051.01

Civil-engineering specialty involving transportation systems. Changing work may include intelligent transportation systems, traffic analysis, resilience, and new mobility data. O*NET marks the occupation Bright Outlook. Pay/preparation figures may roll up to Civil Engineers rather than describe a separate local wage.

WATER/WASTEWATER ENGINEERS — O*NET 17-2051.02

Civil-engineering specialty involving water supply, treatment, collection, and related systems. Changing work may reflect aging infrastructure, water quality, resilience, technology, and regulation. O*NET marks the occupation Bright Outlook. Pay/preparation figures may roll up to Civil Engineers.

Emerging area: work that is growing or changing because of technology, policy, infrastructure needs, or environmental conditions. It may exist inside an established occupation.

Assessment Impact Decision

Fictional pathway: _____

Assessment most relevant to investigate: _____

Possible impact on the pathway or goal:

What this assessment result does **not** decide by itself:

Exact question and authorized source to check:

Word bank: readiness · admission · placement · exemption · eligibility · verify

Use this frame: This result may affect [goal] because [reason]. It does not decide [boundary] by itself. I would verify [question] with [authorized source].

Compare and Evaluate

EVIDENCE	TRANSPORTATION	WATER/WASTEWATER
Work/problem		
Change or driver		
Common preparation context		
Evidence limitation		

Which specialty should a fictional North Texas community investigate first?

One source detail supporting the judgment:

One limitation or reason the evidence may change:

Word bank: specialty · driver · Bright Outlook · roll-up data · limitation

Use this frame: [Specialty] should be investigated first because [source detail]. The evidence is limited by [limitation], so the next check is [verification].