

STAAR EOC Standard Setting Policy Committee: External Validity Studies
 Summary of Study Quality

Study Name	Motivation	Representativeness	Sample Size	Correlation	Content Overlap	Overall
Algebra II – ACT Mathematics	★★★★☆	★★★★☆	★★★★★	★★★★☆	★★☆☆☆	★★★★☆
Algebra II – SAT Mathematics	★★★★☆	★★★★☆	★★★★★	★★★★☆	★★☆☆☆	★★★★☆
Algebra II – THEA Mathematics	★★★★☆	★★★★☆	★★★★☆	★★☆☆☆	★★☆☆☆	★★☆☆☆
Algebra II – ACCUPLACER Algebra	★★★★☆	★★★☆☆	★★★★☆	★★☆☆☆	★★☆☆☆	★★☆☆☆
College Students Taking STAAR Algebra II	★★★★☆	★★★☆☆	★★☆☆☆	★★★★☆	N/A	★★★★☆
English III Reading – ACT Reading	★★☆☆☆	★★★★☆	★★★★★	★★☆☆☆	★★★★☆	★★☆☆☆
English III Reading – SAT Critical Reading	★★☆☆☆	★★☆☆☆	★★★★★	★★★★☆	★★★★☆	★★★★☆
English III Reading – THEA Reading	★★☆☆☆	★★★★☆	★★★★☆	★★☆☆☆	★★★★☆	★★☆☆☆
English III Reading – ACCUPLACER Reading	★★☆☆☆	★★★★☆	★★★★☆	★★★★☆	★★☆☆☆	★★☆☆☆
College Students Taking STAAR English III Reading	★★☆☆☆	★★☆☆☆	★★☆☆☆	★★☆☆☆	N/A	★★☆☆☆
English III Writing – ACT English	★★☆☆☆	★★☆☆☆	★★★★★	★★★★☆	★★★★☆	★★★★☆
English III Writing – SAT Writing	★★☆☆☆	★★☆☆☆	★★★★★	★★★★☆	★★★★☆	★★★★☆
English III Writing – THEA Writing	★★☆☆☆	★★☆☆☆	★★★★☆	★★☆☆☆	★★★★☆	★★☆☆☆
English III Writing – ACCUPLACER Sentence Skills	★★☆☆☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆
English III Writing – ACCUPLACER Written Essay	★★☆☆☆	★★★★☆	★★★★☆	★★☆☆☆	★★★★☆	★★☆☆☆
College Students Taking STAAR English III Writing	★★☆☆☆	★★☆☆☆	★★☆☆☆	★★☆☆☆	N/A	★★☆☆☆

Study Name	Motivation	Representativeness	Sample Size	Correlation	Content Overlap	Overall
Biology – ACT Science	★★★★☆	★☆☆☆☆	★★★★★	★★★★☆☆	★★☆☆☆☆	★★★★☆☆
Biology – SAT Mathematics	★★★★☆	★☆☆☆☆	★★★★★	★★★★☆☆	☆☆☆☆☆☆	★★★★☆☆
Chemistry – ACT Science	★★★★☆	★★★★☆	★★★★★	★★★★☆☆	★★☆☆☆☆	★★★★☆☆
Chemistry – SAT Mathematics	★★★★☆	★★☆☆☆☆	★★★★★	★★★★☆☆	☆☆☆☆☆☆	★★★★☆☆
Physics – ACT Science	★★★★☆	★★★★☆	★★★★★	★★★★☆☆	★★☆☆☆☆	★★★★☆☆
Physics – SAT Mathematics	★★★★☆	★★★★☆	★★★★★	★★★★☆☆	☆☆☆☆☆☆	★★★★☆☆
World Geography – ACT Reading	★★★★☆	★★☆☆☆☆	★★★★★	★★★★☆☆	☆☆☆☆☆☆	★★★★☆☆
World Geography – SAT Critical Reading	★★★★☆	★☆☆☆☆	★★★★★	★★★★☆☆	☆☆☆☆☆☆	★★★★☆☆
U.S. History – ACT Reading	★★★★☆	★★★★☆	★★★★★	★★★★☆☆	☆☆☆☆☆☆	★★★★☆☆
U.S. History – SAT Critical Reading	★★★★☆	★★☆☆☆☆	★★★★★	★★★★☆☆	☆☆☆☆☆☆	★★★★☆☆

Legend			
<i>Motivation</i>			
☆☆☆☆☆	All data (STAAR assessments and external assessments) derive from low-stakes, unmotivated administrations		
★☆☆☆☆	Data derive from stand-alone STAAR field tests only, are linked to motivated external assessments, and include constructed responses		
★★☆☆☆	Data derive from stand-alone field tests and low-stakes operational STAAR administrations, are linked to motivated external assessments, and include constructed responses		
★★★☆☆	Data derive from stand-alone field tests and low-stakes operational STAAR administrations, are linked to motivated external assessments, and do not include constructed responses		
★★★★☆	Data derive from some low-stakes and some high-stakes STAAR administrations, are linked to motivated external assessments, and may include constructed responses		
★★★★★	All data (STAAR assessments and external assessments) derive from high-stakes, motivated administrations		
<i>Representativeness</i>			
☆☆☆☆☆	Demographics/student proficiency in the study sample (linked group) and the STAAR test-taking population are distinctly different		
★☆☆☆☆	Demographics/student proficiency in the study sample (linked group) and the STAAR test-taking population have minimal similarities		
★★☆☆☆	Demographics/student proficiency in the study sample (linked group) and the STAAR test-taking population have some similarities		
★★★☆☆	Demographics/student proficiency in the study sample (linked group) and the STAAR test-taking population are moderately similar		
★★★★☆	Demographics/student proficiency in the study sample (linked group) and the STAAR test-taking population are very similar		
★★★★★	Demographics/student proficiency in the study sample (linked group) and the STAAR test-taking population match perfectly		
	<i>Sample Size</i>	<i>Correlation</i>	<i>Content Overlap</i>
☆☆☆☆☆	0 – 99	0 – 0.39	No relationship
★☆☆☆☆	100 – 499	0.40 – 0.49	Same content area, but no content/skills overlap
★★☆☆☆	500 – 999	0.50 – 0.59	Minimal content/skills overlap (1–25%)
★★★☆☆	1,000 – 1,999	0.60 – 0.69	Some content/skills overlap (26–50%)
★★★★☆	2,000 – 2,999	0.70 – 0.79	Moderate content/skills overlap (51–75%)
★★★★★	3,000 +	0.80 +	Strong content/skills overlap (76–100%)