

Academic Challenge: Reflective & Integrative Learning

Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	St. Olaf Mean	Your first-year students compared with					
		Strategic Effect size		ACM/GLCA Effect size		Carnegie Effect size	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Reflective & Integrative Learning	38.8	37.2 *	.14	37.3 *	.13	36.8 ***	.17

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

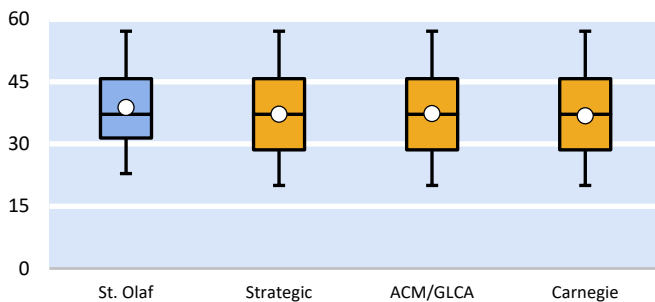
Mean Comparisons

Engagement Indicator	St. Olaf Mean	Your seniors compared with					
		Strategic Effect size		ACM/GLCA Effect size		Carnegie Effect size	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Reflective & Integrative Learning	40.0	40.8	-.07	41.4	-.12	40.3	-.02

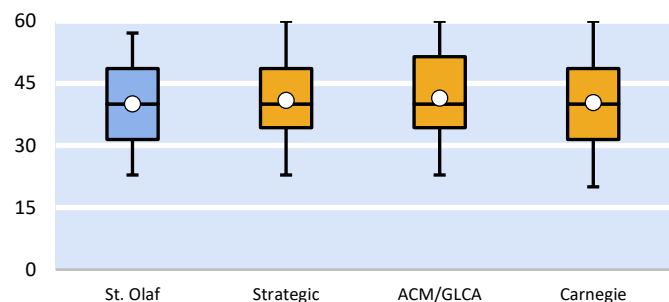
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Score Distributions

Reflective & Integrative Learning - First-Year Students



Reflective & Integrative Learning - Seniors



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Academic Challenge: Reflective & Integrative Learning (continued)

Performance on Indicator Items - First-Year Students

Reflective & Integrative Learning	St. Olaf	Percentage point difference ^a between your FY students and		
		Strategic	ACM/GLCA	Carnegie
<i>Percentage of students who responded that they "Very often" or "Often"...</i>	%			
2a. Combined ideas from different courses when completing assignments	56	+2	+1	+2
2b. Connected your learning to societal problems or issues	64	+1	+2	+5
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	68	+9	+8	+10
2d. Examined the strengths and weaknesses of your own views on a topic or issue	69	+3	+2	+2
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	80	+9	+5	+7
2f. Learned something that changed the way you understand an issue or concept	79	+6	+7	+9
2g. Connected ideas from your courses to your prior experiences and knowledge	89	+5	+6	+7

Performance on Indicator Items - Seniors

Reflective & Integrative Learning	St. Olaf	Percentage point difference ^a between your seniors and		
		Strategic	ACM/GLCA	Carnegie
<i>Percentage of students who responded that they "Very often" or "Often"...</i>	%			
2a. Combined ideas from different courses when completing assignments	71	-3	-5	-2
2b. Connected your learning to societal problems or issues	72	-2	-2	+2
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	64	-2	-1	+1
2d. Examined the strengths and weaknesses of your own views on a topic or issue	75	+2	+0	+4
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	77	+1	-1	+1
2f. Learned something that changed the way you understand an issue or concept	72	-8	-6	-4
2g. Connected ideas from your courses to your prior experiences and knowledge	87	-3	-1	+0

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.