

Academic Challenge: Seniors

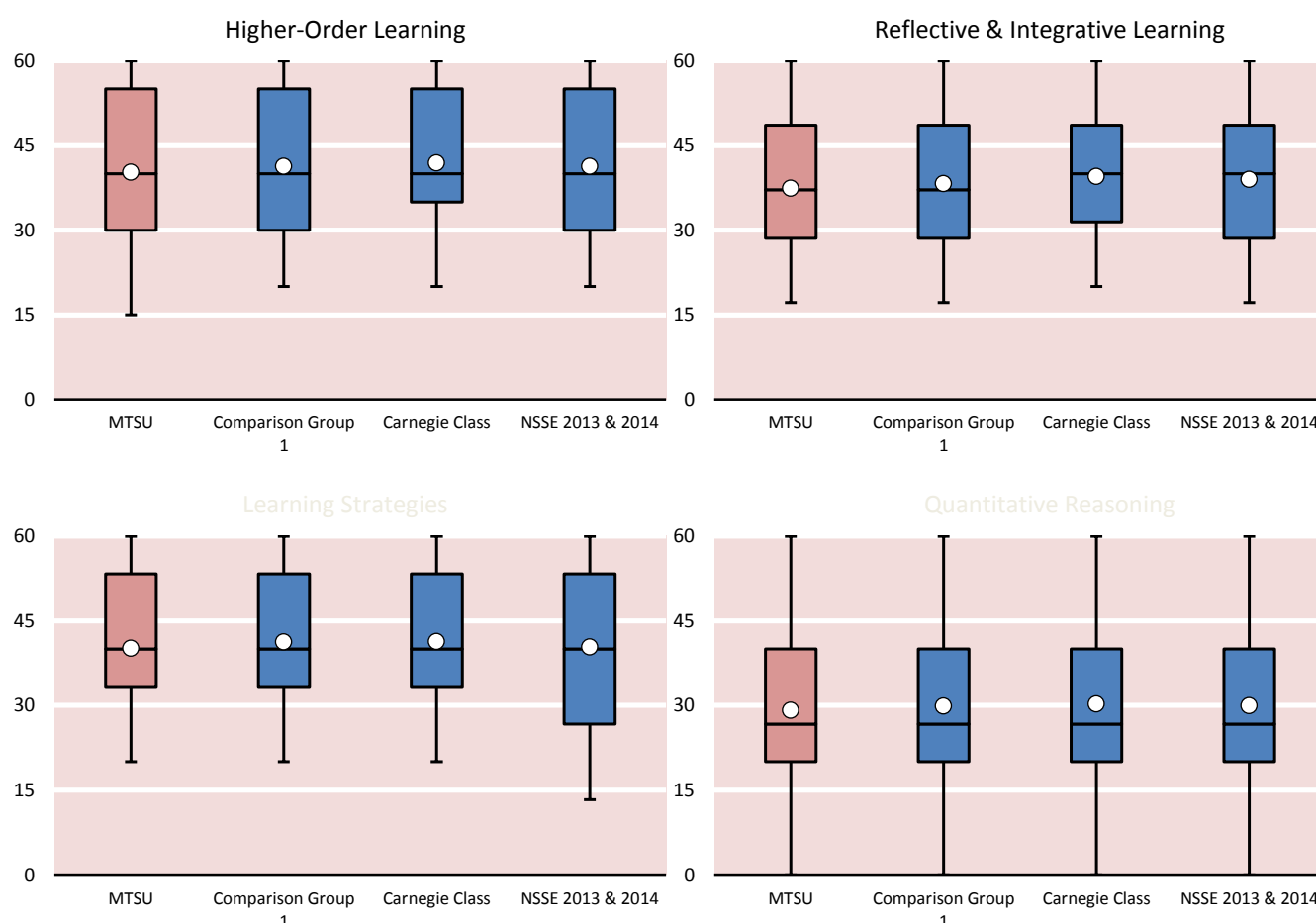
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	MTSU Mean	Your seniors compared with					
		Comparison Group 1		Carnegie Class		NSSE 2013 & 2014	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	40.2	41.2	-.07	41.8	-.11	41.2	-.07
Reflective & Integrative Learning	37.4	38.2	-.06	39.5 **	-.16	38.9 *	-.12
Learning Strategies	40.1	41.2	-.08	41.3	-.08	40.3	-.02
Quantitative Reasoning	29.0	29.9	-.05	30.2	-.06	29.9	-.05

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

Score Distributions



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: Seniors (continued)

Summary of Indicator Items

Higher-Order Learning

Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...

- 4b. Applying facts, theories, or methods to practical problems or new situations
- 4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts
- 4d. Evaluating a point of view, decision, or information source

	MTSU	Comparison Group 1	Carnegie Class	NSSE 2013 & 2014
%	%	%	%	%
4b. Applying facts, theories, or methods to practical problems or new situations	76	78	80	80
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	79	76	78	78
4d. Evaluating a point of view, decision, or information source	69	71	73	72

4e. Forming a new idea or understanding from various pieces of information	69	72	73	72
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Reflective & Integrative Learning

Percentage of students who responded that they "Very often" or "Often"...

2a. Combined ideas from different courses when completing assignments	67	69	72	72
2b. Connected your learning to societal problems or issues	62	62	66	64
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	50	52	57	55
2d. Examined the strengths and weaknesses of your own views on a topic or issue	61	64	68	66
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	68	69	72	70
2f. Learned something that changed the way you understand an issue or concept	64	67	71	70
2g. Connected ideas from your courses to your prior experiences and knowledge	78	81	84	84

Learning Strategies

Percentage of students who responded that they "Very often" or "Often"...

9a. Identified key information from reading assignments	79	82	84	83
9b. Reviewed your notes after class	69	69	67	63
9c. Summarized what you learned in class or from course materials	66	69	69	66

Quantitative Reasoning

Percentage of students who responded that they "Very often" or "Often"...

6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	54	55	55	55
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	39	45	46	45
6c. Evaluated what others have concluded from numerical information	39	44	45	44

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 Web site.