



NSSE 2022

Engagement Indicators

Northern Kentucky University

About Your Engagement Indicators Report

Engagement Indicators (EIs) provide a useful summary of the detailed information contained in your students' NSSE responses. By combining responses to related NSSE questions, each EI offers valuable information about a distinct aspect of student engagement. Ten indicators, based on three to eight survey questions each (a total of 47 survey questions), are organized into four broad themes as shown at right. The specific items within each EI are listed below, starting on page 5.

Theme	Engagement Indicator
<i>Academic Challenge</i>	Higher-Order Learning
	Reflective & Integrative Learning
	Learning Strategies
	Quantitative Reasoning
<i>Learning with Peers</i>	Collaborative Learning
	Discussions with Diverse Others
<i>Experiences with Faculty</i>	Student-Faculty Interaction
	Effective Teaching Practices
<i>Campus Environment</i>	Quality of Interactions
	Supportive Environment

Report Sections

Overview (p. 3)

Displays how average EI scores for your students compare with those of students at your comparison group institutions.

Theme Reports (pp. 4-13)

Detailed views of EI scores within the four themes for your students and those at comparison group institutions. Three views offer varied insights into your EI scores:

Mean Comparisons

Straightforward comparisons of average scores between your students and those at comparison group institutions, with tests of significance and effect sizes (see below).

Score Distributions

Box-and-whisker charts show the variation in scores *within* your institution and comparison groups.

Performance on Indicator Items

Responses to each item in a given EI are summarized for your institution and comparison groups.

Comparisons with High-Performing Institutions (p. 15)

Comparisons of your students' average scores on each EI with those of students at institutions whose average scores were in the top 50% and top 10% of 2021 and 2022 participating institutions.

Detailed Statistics (pp. 16-19)

Detailed information about EI score means, distributions, and tests of statistical significance.

Interpreting Comparisons

Mean comparisons report both statistical significance and effect size. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2018). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview (p. 3).

EIs vary more among students within an institution than between institutions, like many experiences and outcomes in higher education. As a result, focusing attention on average scores alone amounts to examining the tip of the iceberg. It's equally important to understand how student engagement varies within your institution. Score distributions indicate how EI scores vary among your students and those in your comparison groups. Your NSSE Tableau dashboards and Report Builder (released in the fall) offer valuable perspectives on internal variation and help you investigate your students' engagement in depth.

How Engagement Indicators are Computed

Each EI is scored on a 60-point scale. To produce an indicator score, the response set for each item is converted to a 60-point scale (e.g., Never = 0; Sometimes = 20; Often = 40; Very often = 60), and the rescaled items are averaged. Thus a score of zero means a student responded at the bottom of the scale for every item in the EI, while a score of 60 indicates responses at the top of the scale on every item.

For more information on EIs and their psychometric properties, refer to the NSSE website: nsse.indiana.edu

Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment*, 13 (Summer/Fall), pp. 22-38.

Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four broad themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores for your students with those in your comparison groups. Use the following key:

- ▲ **Your students' average** was significantly higher ($p < .05$) with an effect size at least .3 in magnitude.
- ▼ **Your students' average** was significantly higher ($p < .05$) with an effect size less than .3 in magnitude.
- No significant difference.
- ▲ **Your students' average** was significantly lower ($p < .05$) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ($p < .05$) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to your institutional context. You may not see all of these symbols in your report.

First-Year Students

<i>Theme</i>	<i>Engagement Indicator</i>	Your first-year students compared with KY Institutions	Your first-year students compared with Carnegie Class	Your first-year students compared with SACS Benchmark
	Higher-Order Learning	--	--	--
<i>Academic Challenge</i>	Reflective & Integrative Learning	--	--	--
	Learning Strategies	--	--	--
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning		--	
	Discussions with Diverse Others	--		--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	--		
	Effective Teaching Practices	--	--	
<i>Campus Environment</i>	Quality of Interactions	--	--	--
	Supportive Environment	--		

Seniors

<i>Theme</i>	<i>Engagement Indicator</i>	Your seniors compared with KY Institutions	Your seniors compared with Carnegie Class	Your seniors compared with SACS Benchmark
	Higher-Order Learning	--	--	--
<i>Academic Challenge</i>	Reflective & Integrative Learning	--	--	--
	Learning Strategies	--	--	--
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning			--
	Discussions with Diverse Others	--	--	--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	--	▲	--
	Effective Teaching Practices	--	--	--
<i>Campus Environment</i>	Quality of Interactions	--		--
	Supportive Environment	--	--	--

Academic Challenge: First-year students

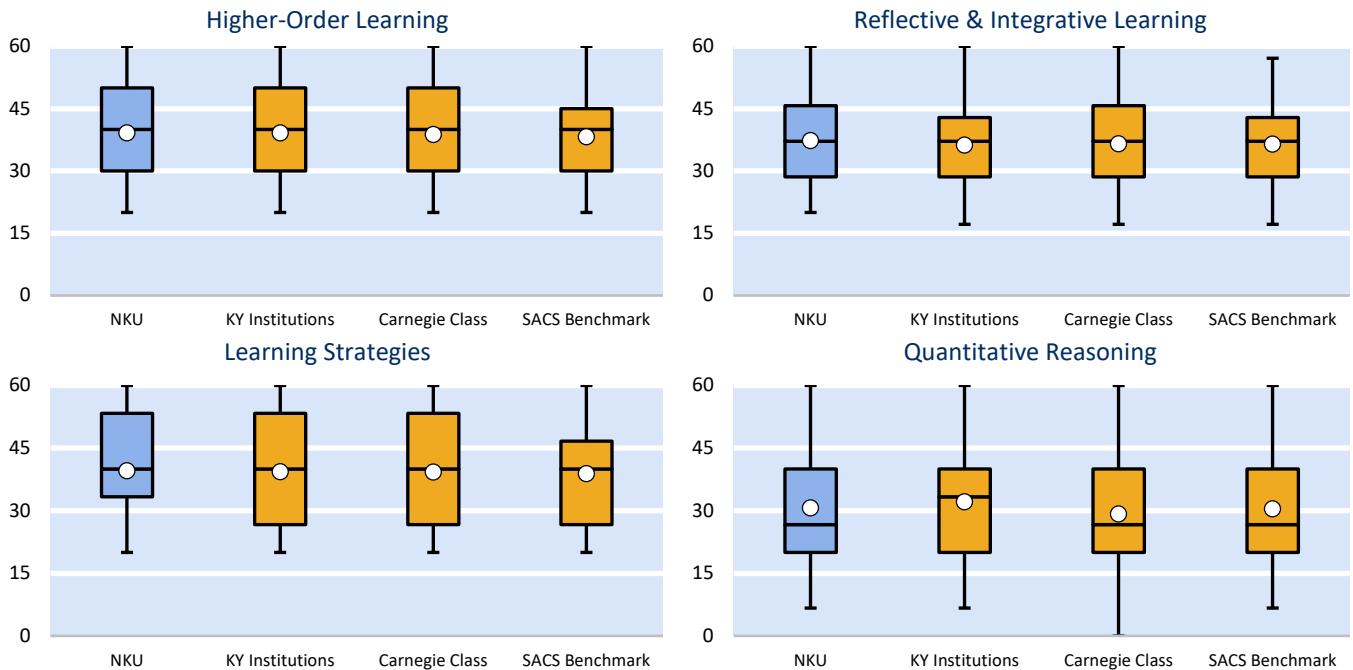
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	NKU Mean	Your first-year students compared with					
		KY Institutions		Carnegie Class		SACS Benchmark	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	39.2	39.2	.00	38.8	.03	38.3	.07
Reflective & Integrative Learning	37.3	36.3	.09	36.6	.06	36.5	.07
Learning Strategies	39.6	39.4	.02	39.3	.03	38.9	.05
Quantitative Reasoning	30.7	32.1	-.10	29.2	.09	30.5	.01

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).

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: First-year students (continued)

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	NKU	Percentage point difference ^a between your FY students and		
		KY Institutions	Carnegie Class	SACS Benchmark
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%			
4b. Applying facts, theories, or methods to practical problems or new situations	75	+1	+4	+4
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	73	+1	+3	+4
4d. Evaluating a point of view, decision, or information source	73	+1	+1	+3
4e. Forming a new idea or understanding from various pieces of information	74	+1	+3	+3
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	60	+4	+7	+6
2b. Connected your learning to societal problems or issues	55	-0	-0	-1
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	59	+2	+2	+2
2d. Examined the strengths and weaknesses of your own views on a topic or issue	66	-1	-0	-1
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	74	+1	+1	+2
2f. Learned something that changed the way you understand an issue or concept	72	+4	+4	+6
2g. Connected ideas from your courses to your prior experiences and knowledge	82	+5	+3	+5
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	76	+1	+1	+3
9b. Reviewed your notes after class	70	+1	+2	+2
9c. Summarized what you learned in class or from course materials	70	+0	+3	+2
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	58	-3	+5	+3
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	49	-2	+5	+1
6c. Evaluated what others have concluded from numerical information	46	-5	+4	+1

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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.

Academic Challenge: Seniors

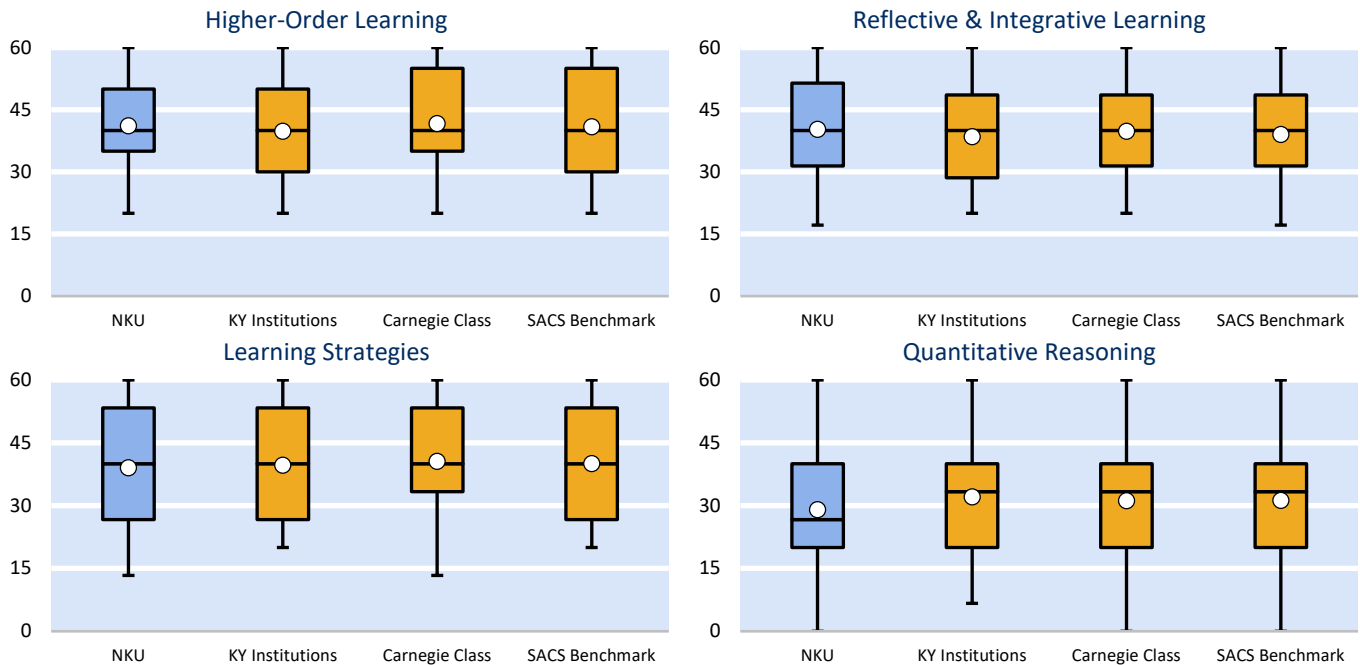
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	NKU Mean	Your seniors compared with					
		KY Institutions		Carnegie Class		SACS Benchmark	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	41.2	39.8	.10	41.7	-.04	40.9	.02
Reflective & Integrative Learning	40.3	38.5	.14	39.8	.04	39.0	.10
Learning Strategies	39.0	39.6	-.04	40.6	-.10	40.0	-.07
Quantitative Reasoning	29.0	32.1 *	-.19	31.2	-.13	31.3	-.13

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).

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)

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	NKU	Percentage point difference ^a between your seniors and		
		KY Institutions	Carnegie Class	SACS Benchmark
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%			
4b. Applying facts, theories, or methods to practical problems or new situations	76	-2	-2	-2
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	77	+3	+0	+1
4d. Evaluating a point of view, decision, or information source	79	+9	+2	+5
4e. Forming a new idea or understanding from various pieces of information	77	+5	+0	+3
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	74	+3	+7	+3
2b. Connected your learning to societal problems or issues	62	-0	-4	-2
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	59	+3	-2	+2
2d. Examined the strengths and weaknesses of your own views on a topic or issue	72	+5	+0	+3
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	78	+6	+2	+4
2f. Learned something that changed the way you understand an issue or concept	72	+1	-2	+1
2g. Connected ideas from your courses to your prior experiences and knowledge	85	+2	-1	+0
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	75	+0	-4	-2
9b. Reviewed your notes after class	64	-3	-3	-4
9c. Summarized what you learned in class or from course materials	70	+1	-1	-0
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	52	-6	-4	-4
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	44	-7	-6	-6
6c. Evaluated what others have concluded from numerical information	43	-8	-5	-5

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

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Learning with Peers: First-year students

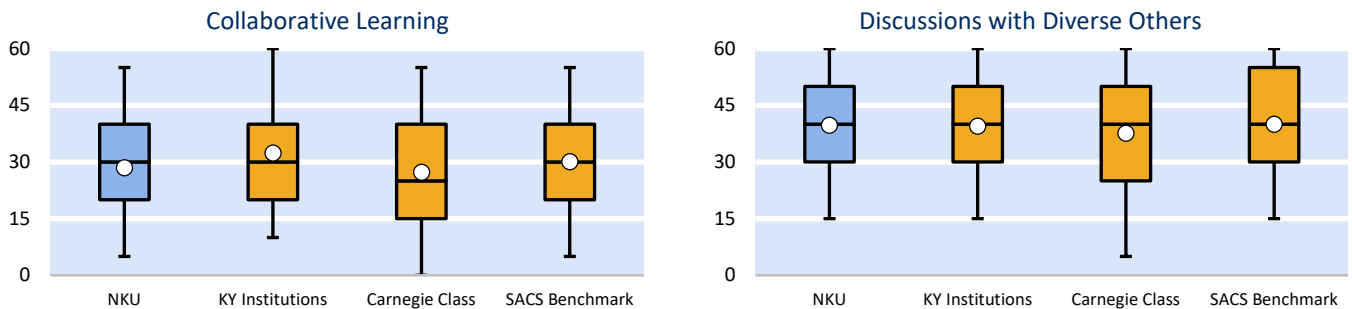
Collaborating with others in mastering difficult material and interacting with peers from different backgrounds prepares students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	NKU Mean	Your first-year students compared with					
		KY Institutions Effect size		Carnegie Class Effect size		SACS Benchmark Effect size	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	28.5	32.3 ***	-.27	27.3	.08	30.1 *	-.11
Discussions with Diverse Others	39.7	39.4	.02	37.6 **	.13	40.0	-.02

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Performance on Indicator Items

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Collaborative Learning	NKU %	Percentage point difference ^a between your FY students and		
		KY Institutions	Carnegie Class	SACS Benchmark
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
1b. Asked another student to help you understand course material	44	-8	+4	-2
1c. Explained course material to one or more students	47	-6	+2	-2
1d. Prepared for exams by discussing or working through course material with other students	37	-12	-1	-7
1e. Worked with other students on course projects or assignments	52	-5	+5	+3
<i>Discussions with Diverse Others</i>				
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>				
8a. People of a race or ethnicity other than your own	70	+2	+2	-2
8b. People from an economic background other than your own	74	+2	+6	+1
8c. People with religious beliefs other than your own	73	+6	+11	+6
8d. People with political views other than your own	66	-4	+6	-3

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Learning with Peers: Seniors

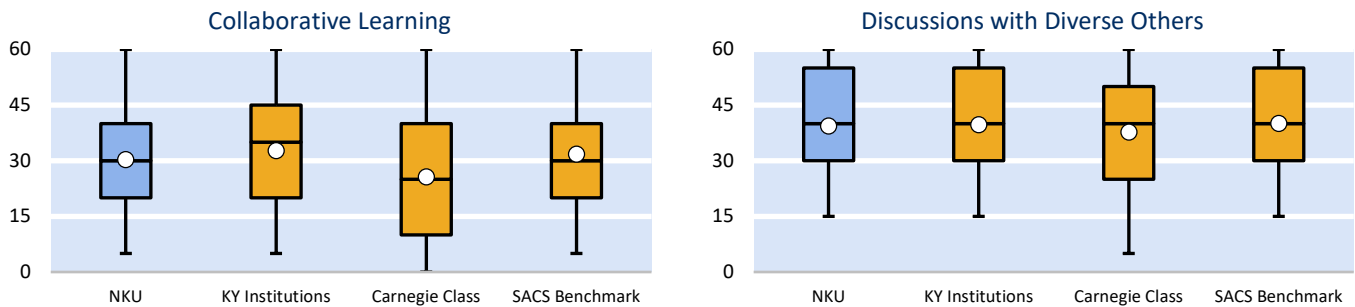
Collaborating with others in mastering difficult material and interacting with peers from different backgrounds prepares students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	NKU Mean	Your seniors compared with					
		KY Institutions Effect size		Carnegie Class Effect size		SACS Benchmark Effect size	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	30.3	32.8 *	-.16	25.7 ***	.27	31.8	-.10
Discussions with Diverse Others	39.4	39.7	-.03	37.7	.10	40.1	-.05

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).

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Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Collaborative Learning	NKU	Percentage point difference ^a between your seniors and		
		KY Institutions	Carnegie Class	SACS Benchmark
Percentage of students who responded that they "Very often" or "Often"...	%			
1b. Asked another student to help you understand course material	41	-6	+9	-4
1c. Explained course material to one or more students	54	-3	+13	-1
1d. Prepared for exams by discussing or working through course material with other students	39	-10	+7	-4
1e. Worked with other students on course projects or assignments	60	-1	+9	-2
Discussions with Diverse Others				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People of a race or ethnicity other than your own	67	+1	-1	-5
8b. People from an economic background other than your own	68	-5	-1	-5
8c. People with religious beliefs other than your own	66	-2	+6	-3
8d. People with political views other than your own	67	-4	+6	-2

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Experiences with Faculty: First-year students

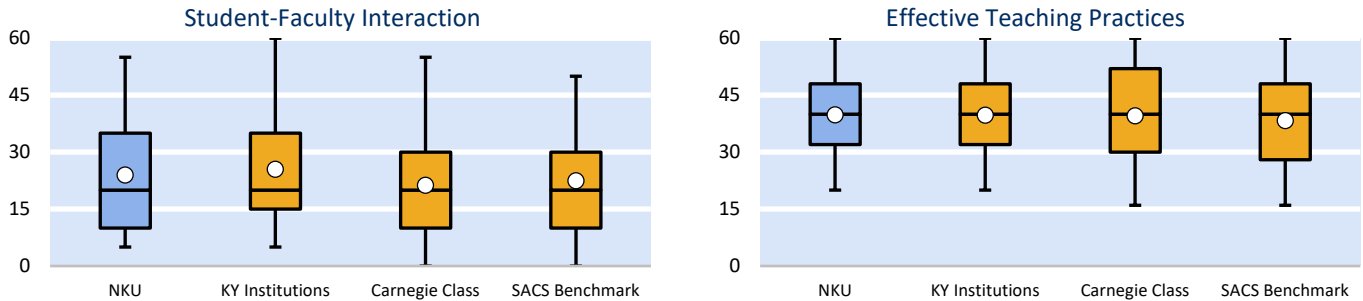
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	NKU Mean	Your first-year students compared with					
		KY Institutions		Carnegie Class		SACS Benchmark	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	23.9	25.5	-.10	21.2 ***	.18	22.4 *	.10
Effective Teaching Practices	39.8	39.7	.01	39.5	.02	38.2 *	.12

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Student-Faculty Interaction	NKU	Percentage point difference ^a between your FY students and		
		KY Institutions	Carnegie Class	SACS Benchmark
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
	%			
3a. Talked about career plans with a faculty member	45	-2	+7	+5
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	25	-4	+4	+2
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	32	-3	+5	+3
3d. Discussed your academic performance with a faculty member	35	-5	+4	+1
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	80	+3	+2	+3
5b. Taught course sessions in an organized way	75	-3	+1	+3
5c. Used examples or illustrations to explain difficult points	78	+2	+4	+5
5d. Provided feedback on a draft or work in progress	69	+1	+2	+4
5e. Provided prompt and detailed feedback on tests or completed assignments	68	+4	+4	+8

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

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Experiences with Faculty: Seniors

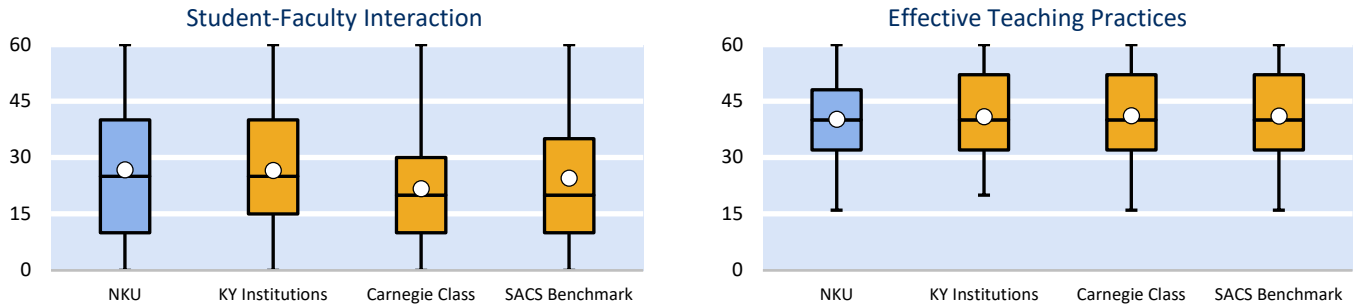
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Mean Comparisons

Engagement Indicator	NKU Mean	Your seniors compared with					
		KY Institutions		Carnegie Class		SACS Benchmark	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	26.7	26.5	.01	21.6 ***	.30	24.5	.13
Effective Teaching Practices	40.1	40.8	-.05	41.0	-.06	41.0	-.06

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).

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Student-Faculty Interaction	NKU %	Percentage point difference ^a between your seniors and		
		KY Institutions	Carnegie Class	SACS Benchmark
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	49	+1	+9	+3
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	34	+0	+10	+5
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	36	-1	+8	+3
3d. Discussed your academic performance with a faculty member	41	+3	+9	+7
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	75	-6	-6	-5
5b. Taught course sessions in an organized way	77	-1	-1	+0
5c. Used examples or illustrations to explain difficult points	76	-2	+2	-1
5d. Provided feedback on a draft or work in progress	71	+5	+3	+2
5e. Provided prompt and detailed feedback on tests or completed assignments	67	-0	-2	-0

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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.

Campus Environment: First-year students

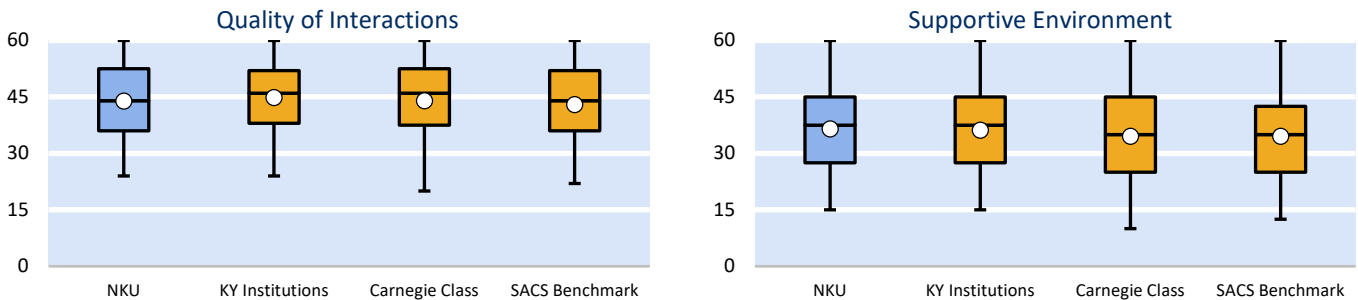
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	NKU Mean	Your first-year students compared with					
		KY Institutions		Carnegie Class		SACS Benchmark	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	43.9	44.8	-.08	44.0	-.01	43.0	.08
Supportive Environment	36.5	36.2	.03	34.5 **	.14	34.5 **	.14

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).

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.

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	NKU	Percentage point difference ^a between your FY students and		
		KY Institutions	Carnegie Class	SACS Benchmark
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
13a. Students	51	-4	-3	+2
13b. Academic advisors	63	+3	+6	+7
13c. Faculty	56	+3	+0	+7
13d. Student services staff (career services, student activities, housing, etc.)	46	-6	-5	-2
13e. Other administrative staff and offices (registrar, financial aid, etc.)	48	-2	-3	+3
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	75	+1	+4	+7
14c. Using learning support services (tutoring services, writing center, etc.)	74	+2	+3	+3
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	68	+6	+9	+9
14e. Providing opportunities to be involved socially	71	+0	+4	+3
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	65	-5	+2	-0
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	43	-4	+2	+2
14h. Attending campus activities and events (performing arts, athletic events, etc.)	65	-5	+5	+2
14i. Attending events that address important social, economic, or political issues	48	-2	+3	+3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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.

Campus Environment: Seniors

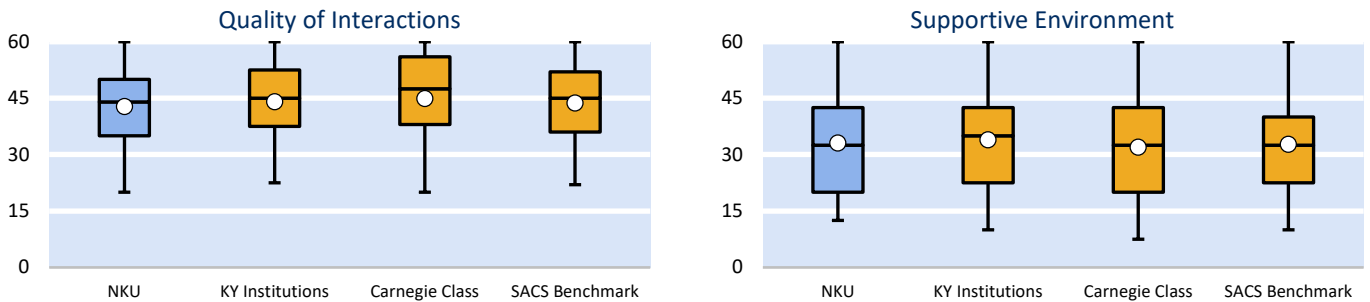
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	NKU Mean	Your seniors compared with					
		KY Institutions		Carnegie Class		SACS Benchmark	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	42.8	44.1	-.11	45.0 *	-.17	43.7	-.08
Supportive Environment	33.1	34.0	-.06	32.0	.07	32.8	.02

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).

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.

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	NKU	Percentage point difference ^a between your seniors and		
		KY Institutions	Carnegie Class	SACS Benchmark
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
13a. Students	50	-11	-11	-8
13b. Academic advisors	60	+3	+1	+6
13c. Faculty	54	-2	-9	-3
13d. Student services staff (career services, student activities, housing, etc.)	41	-5	-11	-5
13e. Other administrative staff and offices (registrar, financial aid, etc.)	40	-8	-14	-7
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	70	-0	+1	+2
14c. Using learning support services (tutoring services, writing center, etc.)	66	-2	-0	+0
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	55	-2	-1	-2
14e. Providing opportunities to be involved socially	64	-6	+2	-3
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	57	-6	-0	-7
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	32	-4	-5	-2
14h. Attending campus activities and events (performing arts, athletic events, etc.)	55	-9	+5	-1
14i. Attending events that address important social, economic, or political issues	39	-5	-2	-3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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.

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Comparisons with Top 50% and Top 10% Institutions

While NSSE’s policy is not to rank institutions (see go.iu.edu/NSSE-PnP), the results below are designed to compare the engagement of your students with those attending two groups of institutions identified by NSSE^a for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2021 and 2022 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2021 and 2022 NSSE institutions.

While the average scores for most institutions are below the mean for the top 50% or top 10%, your institution may show areas of distinction where your average student was as engaged as (or even more engaged than) the typical student at high-performing institutions. A check mark (✓) signifies those comparisons where your average score was at least comparable^b to that of the high-performing group. However, the presence of a check mark does not necessarily mean that your institution was a member of that group.

It should be noted that most of the variability in student engagement is within, not between, institutions. Even "high-performing" institutions have students with engagement levels below the average for all institutions.

First-Year Students

Theme	Engagement Indicator	NKU Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
<i>Academic Challenge</i>	Higher-Order Learning	39.2	39.2	.00	✓	42.1 ***	-.22	
	Reflective and Integrative Learning	37.3	36.9	.04	✓	39.2 ***	-.16	
	Learning Strategies	39.6	39.6	.00	✓	42.9 ***	-.23	
	Quantitative Reasoning	30.7	30.2	.03	✓	33.3 ***	-.17	
<i>Learning with Peers</i>	Collaborative Learning	28.5	31.8 ***	-.24		35.4 ***	-.51	
	Discussions with Diverse Others	39.7	39.8	-.01	✓	42.6 ***	-.20	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	23.9	24.3	-.03	✓	27.8 ***	-.25	
	Effective Teaching Practices	39.8	40.3	-.04	✓	43.3 ***	-.26	
<i>Campus Environment</i>	Quality of Interactions	43.9	45.1	-.10		48.2 ***	-.34	
	Supportive Environment	36.5	35.9	.04	✓	39.1 ***	-.20	

Seniors

Theme	Engagement Indicator	NKU Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
<i>Academic Challenge</i>	Higher-Order Learning	41.2	41.9	-.05	✓	44.2 **	-.23	
	Reflective and Integrative Learning	40.3	40.3	.00	✓	42.7 **	-.21	
	Learning Strategies	39.0	41.1	-.14		43.4 ***	-.31	
	Quantitative Reasoning	29.0	32.4 **	-.21		35.3 ***	-.40	
<i>Learning with Peers</i>	Collaborative Learning	30.3	34.0 **	-.25		37.9 ***	-.55	
	Discussions with Diverse Others	39.4	40.4	-.06	✓	43.2 ***	-.26	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	26.7	28.8	-.13		33.2 ***	-.40	
	Effective Teaching Practices	40.1	41.9	-.13		44.5 ***	-.32	
<i>Campus Environment</i>	Quality of Interactions	42.8	45.6 **	-.23		48.0 ***	-.41	
	Supportive Environment	33.1	34.3	-.08	✓	37.4 ***	-.30	

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

a. Precision-weighted means were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2021 and 2022 institutions, separately by class. Using this method, Engagement Indicator scores of institutions with relatively large standard errors were adjusted toward the mean of all students, while those with smaller standard errors received smaller corrections. As a result, schools with less stable data—even those with high average scores—may not be among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release institutional results and our policy against ranking institutions.

b. Check marks are assigned to comparisons that are either positive or non-significant with an effect size > -.10.

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
NKU (N = 426)	39.2	12.8	.62	20	30	40	50	60				
KY Institutions	39.2	13.1	.32	20	30	40	50	60	2,132	.0	.956	.003
Carnegie Class	38.8	13.9	.11	20	30	40	50	60	452	.4	.525	.029
SACS Benchmark	38.3	13.2	.25	20	30	40	45	60	3,150	.9	.167	.072
Top 50%	39.2	13.3	.04	20	30	40	50	60	89,896	.0	.953	-.003
Top 10%	42.1	13.0	.13	20	35	40	55	60	10,316	-2.8	.000	-.218
Reflective & Integrative Learning												
NKU (N = 455)	37.3	11.7	.55	20	29	37	46	60				
KY Institutions	36.3	12.3	.29	17	29	37	43	60	2,248	1.1	.098	.087
Carnegie Class	36.6	12.5	.09	17	29	37	46	60	482	.7	.186	.059
SACS Benchmark	36.5	12.0	.22	17	29	37	43	57	3,359	.9	.155	.072
Top 50%	36.9	12.1	.04	17	29	37	46	60	90,108	.4	.456	.035
Top 10%	39.2	11.8	.11	20	31	40	49	60	12,717	-1.9	.001	-.160
Learning Strategies												
NKU (N = 403)	39.6	13.7	.68	20	33	40	53	60				
KY Institutions	39.4	13.7	.34	20	27	40	53	60	2,032	.3	.733	.019
Carnegie Class	39.3	14.3	.12	20	27	40	53	60	15,391	.4	.615	.025
SACS Benchmark	38.9	13.8	.27	20	27	40	47	60	2,985	.7	.333	.052
Top 50%	39.6	14.1	.05	20	27	40	53	60	81,951	.1	.932	.004
Top 10%	42.9	14.3	.12	20	33	40	60	60	426	-3.3	.000	-.232
Quantitative Reasoning												
NKU (N = 413)	30.7	15.7	.77	7	20	27	40	60				
KY Institutions	32.1	15.2	.37	7	20	33	40	60	2,061	-1.5	.080	-.096
Carnegie Class	29.2	16.3	.13	0	20	27	40	60	15,636	1.4	.076	.088
SACS Benchmark	30.5	15.6	.30	7	20	27	40	60	3,031	.2	.813	.013
Top 50%	30.2	15.3	.05	7	20	27	40	60	94,707	.5	.512	.032
Top 10%	33.3	15.5	.14	7	20	33	40	60	12,653	-2.6	.001	-.168
Learning with Peers												
Collaborative Learning												
NKU (N = 481)	28.5	14.2	.65	5	20	30	40	55				
KY Institutions	32.3	14.5	.34	10	20	30	40	60	2,347	-3.8	.000	-.265
Carnegie Class	27.3	15.8	.12	0	15	25	40	55	512	1.2	.068	.076
SACS Benchmark	30.1	14.1	.25	5	20	30	40	55	3,579	-1.6	.020	-.114
Top 50%	31.8	13.9	.05	10	20	30	40	60	83,790	-3.4	.000	-.242
Top 10%	35.4	13.5	.11	15	25	35	45	60	15,710	-7.0	.000	-.513
Discussions with Diverse Others												
NKU (N = 410)	39.7	15.0	.74	15	30	40	50	60				
KY Institutions	39.4	15.3	.38	15	30	40	50	60	2,049	.3	.757	.017
Carnegie Class	37.6	16.2	.13	5	25	40	50	60	436	2.1	.006	.127
SACS Benchmark	40.0	15.2	.30	15	30	40	55	60	3,017	-.3	.693	-.021
Top 50%	39.8	15.1	.06	15	30	40	55	60	75,555	-.1	.852	-.009
Top 10%	42.6	14.2	.14	20	35	40	55	60	10,200	-2.9	.000	-.203

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NKU (N = 435)	23.9	15.3	.73	5	10	20	35	55				
KY Institutions	25.5	15.6	.37	5	15	20	35	60	2,180	-1.6	.062	-.100
Carnegie Class	21.2	15.4	.12	0	10	20	30	55	17,082	2.7	.000	.177
SACS Benchmark	22.4	15.2	.29	0	10	20	30	50	3,243	1.5	.049	.102
Top 50%	24.3	15.1	.07	5	15	20	35	55	45,688	-.4	.576	-.027
Top 10%	27.8	15.3	.17	5	15	25	40	60	8,178	-3.9	.000	-.254
Effective Teaching Practices												
NKU (N = 427)	39.8	12.9	.62	20	32	40	48	60				
KY Institutions	39.7	13.1	.32	20	32	40	48	60	2,138	.1	.862	.009
Carnegie Class	39.5	14.0	.11	16	30	40	52	60	453	.3	.660	.020
SACS Benchmark	38.2	13.3	.25	16	28	40	48	60	3,162	1.6	.022	.119
Top 50%	40.3	13.8	.06	16	32	40	52	60	433	-.5	.437	-.035
Top 10%	43.3	13.7	.14	20	36	44	56	60	469	-3.5	.000	-.255
Campus Environment												
Quality of Interactions												
NKU (N = 365)	43.9	11.4	.60	24	36	44	53	60				
KY Institutions	44.8	11.0	.28	24	38	46	52	60	1,920	-.9	.152	-.083
Carnegie Class	44.0	12.2	.10	20	38	46	53	60	14,205	-.1	.875	-.008
SACS Benchmark	43.0	11.8	.24	22	36	44	52	60	2,843	.9	.161	.079
Top 50%	45.1	11.9	.05	22	38	48	54	60	50,263	-1.2	.052	-.102
Top 10%	48.2	12.5	.13	23	42	50	60	60	10,029	-4.3	.000	-.344
Supportive Environment												
NKU (N = 400)	36.5	13.5	.67	15	28	38	45	60				
KY Institutions	36.2	13.5	.34	15	28	38	45	60	2,000	.3	.645	.026
Carnegie Class	34.5	14.2	.12	10	25	35	45	60	14,917	2.0	.006	.138
SACS Benchmark	34.5	13.6	.27	13	25	35	43	60	2,923	2.0	.007	.144
Top 50%	35.9	13.6	.06	13	26	38	45	60	57,048	.6	.406	.042
Top 10%	39.1	13.3	.17	18	30	40	50	60	6,825	-2.6	.000	-.196

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean +/- 1.96 x SE) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the t-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
NKU (N = 191)	41.2	12.8	.93	20	35	40	50	60				
KY Institutions	39.8	13.5	.34	20	30	40	50	60	1,780	1.4	.185	.102
Carnegie Class	41.7	13.9	.10	20	35	40	55	60	18,422	-.5	.604	-.038
SACS Benchmark	40.9	13.8	.25	20	30	40	55	60	3,264	.3	.770	.022
Top 50%	41.9	13.7	.05	20	35	40	55	60	68,448	-.7	.463	-.053
Top 10%	44.2	13.1	.16	20	35	45	60	60	6,497	-3.1	.001	-.235
Reflective & Integrative Learning												
NKU (N = 201)	40.3	12.6	.89	17	31	40	51	60				
KY Institutions	38.5	12.6	.31	20	29	40	49	60	1,869	1.8	.056	.143
Carnegie Class	39.8	12.8	.09	20	31	40	49	60	19,458	.5	.590	.038
SACS Benchmark	39.0	12.9	.23	17	31	40	49	60	3,400	1.2	.189	.096
Top 50%	40.3	12.5	.05	20	31	40	50	60	62,120	.0	.988	.001
Top 10%	42.7	11.7	.15	23	34	43	51	60	6,109	-2.5	.004	-.209
Learning Strategies												
NKU (N = 182)	39.0	15.0	1.11	13	27	40	53	60				
KY Institutions	39.6	14.2	.36	20	27	40	53	60	1,713	-.6	.612	-.040
Carnegie Class	40.6	14.9	.11	13	33	40	53	60	17,489	-1.6	.161	-.104
SACS Benchmark	40.0	14.2	.26	20	27	40	53	60	3,143	-1.0	.372	-.068
Top 50%	41.1	14.6	.05	20	33	40	53	60	74,612	-2.1	.057	-.141
Top 10%	43.4	14.2	.13	20	33	40	60	60	12,768	-4.4	.000	-.311
Quantitative Reasoning												
NKU (N = 188)	29.0	15.6	1.13	0	20	27	40	60				
KY Institutions	32.1	16.4	.42	7	20	33	40	60	1,729	-3.1	.015	-.187
Carnegie Class	31.2	16.9	.13	0	20	33	40	60	17,705	-2.2	.083	-.127
SACS Benchmark	31.3	16.7	.30	0	20	33	40	60	3,171	-2.2	.075	-.134
Top 50%	32.4	16.5	.06	7	20	33	40	60	83,486	-3.4	.005	-.207
Top 10%	35.3	16.0	.16	7	20	33	47	60	9,880	-6.3	.000	-.395
Learning with Peers												
Collaborative Learning												
NKU (N = 204)	30.3	16.4	1.15	5	20	30	40	60				
KY Institutions	32.8	15.5	.37	5	20	35	45	60	1,916	-2.5	.032	-.159
Carnegie Class	25.7	17.1	.12	0	10	25	40	60	20,159	4.6	.000	.268
SACS Benchmark	31.8	15.2	.27	5	20	30	40	60	3,486	-1.5	.177	-.098
Top 50%	34.0	14.6	.06	10	25	35	45	60	204	-3.7	.001	-.255
Top 10%	37.9	13.7	.15	15	30	40	50	60	209	-7.6	.000	-.549
Discussions with Diverse Others												
NKU (N = 183)	39.4	15.4	1.14	15	30	40	55	60				
KY Institutions	39.7	15.2	.39	15	30	40	55	60	1,715	-.4	.749	-.025
Carnegie Class	37.7	16.7	.13	5	25	40	50	60	17,504	1.6	.185	.098
SACS Benchmark	40.1	15.9	.29	15	30	40	55	60	3,163	-.7	.537	-.047
Top 50%	40.4	15.9	.06	15	30	40	55	60	74,696	-1.0	.383	-.065
Top 10%	43.2	15.1	.18	20	35	45	60	60	7,600	-3.9	.001	-.256

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SE ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NKU (N = 195)	26.7	17.8	1.27	0	10	25	40	60				
KY Institutions	26.5	16.3	.40	0	15	25	40	60	235	.2	.875	.013
Carnegie Class	21.6	16.7	.12	0	10	20	30	60	198	5.0	.000	.302
SACS Benchmark	24.5	16.7	.30	0	10	20	35	60	216	2.2	.091	.132
Top 50%	28.8	16.2	.09	5	15	25	40	60	196	-2.1	.102	-.129
Top 10%	33.2	16.1	.25	10	20	35	45	60	210	-6.6	.000	-.405
Effective Teaching Practices												
NKU (N = 190)	40.1	13.7	.99	16	32	40	48	60				
KY Institutions	40.8	13.5	.34	20	32	40	52	60	1,782	-.6	.548	-.046
Carnegie Class	41.0	14.6	.11	16	32	40	52	60	18,444	-.9	.394	-.062
SACS Benchmark	41.0	13.9	.25	16	32	40	52	60	3,262	-.8	.416	-.061
Top 50%	41.9	14.1	.06	16	32	40	56	60	54,416	-1.8	.080	-.127
Top 10%	44.5	13.6	.15	20	36	44	56	60	8,877	-4.3	.000	-.318
Campus Environment												
Quality of Interactions												
NKU (N = 168)	42.8	11.3	.87	20	35	44	50	60				
KY Institutions	44.1	11.6	.31	23	38	45	53	60	1,592	-1.3	.167	-.113
Carnegie Class	45.0	12.8	.10	20	38	48	56	60	172	-2.2	.014	-.169
SACS Benchmark	43.7	11.9	.23	22	36	45	52	60	2,886	-.9	.342	-.075
Top 50%	45.6	12.3	.05	22	38	48	56	60	57,800	-2.8	.003	-.230
Top 10%	48.0	12.5	.10	22	40	50	60	60	17,366	-5.2	.000	-.414
Supportive Environment												
NKU (N = 180)	33.1	14.3	1.07	13	20	33	43	60				
KY Institutions	34.0	14.3	.37	10	23	35	43	60	1,686	-.9	.435	-.062
Carnegie Class	32.0	15.4	.12	8	20	33	43	60	17,010	1.1	.328	.073
SACS Benchmark	32.8	14.1	.26	10	23	33	40	60	3,089	.3	.786	.021
Top 50%	34.3	14.7	.06	10	23	35	45	60	53,478	-1.2	.287	-.080
Top 10%	37.4	14.5	.20	13	28	38	48	60	5,496	-4.3	.000	-.299

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean +/- 1.96 x SE) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the t-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.