NSSE
national survey of
student engagement

NSSE 2013
Learning with Technology Module

Grand Valley State University

IPEDS: 170082

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NSSE 2013 Learning with Technology

Administration Summary

Grand Valley State University

Learning with Technology Module

Developed in partnership with EDUCAUSE, these questions examine the role of technology in student learning, focusing on student use of technology and perceptions of institutional support.

Learning with Technology Comparison Group

This section summarizes how your Learning with Technology module's comparison group was identified, including selection criteria and whether the default option was taken. This is followed by the resulting list of institutions represented in the 'Learning with Tech' column of this report.

Group label	Learning with Tech
Date submitted	Not applicable; comparison group not customized.
How was this comparison group constructed?	Your institution did not customize this comparison group; the default group (all module participants) was used.
Group description	Default comparison group

'Learning with Tech' institutions (N=78)

Abilene Christian University (Abilene, TX)
Alaska Pacific University (Anchorage, AK)
Alverno College (Milwaukee, WI)
Auburn University at Montgomery (Montgomery, AL)
Bacone College (Muskogee, OK)
Baptist Memorial College of Health Sciences (Memphis, TN)
Barton College (Wilson, NC)
Benedictine University (Lisle, IL)
Brigham Young University (Provo, UT)
Brigham Young University-Hawaii (Laie, HI)
Buena Vista University (Storm Lake, IA)
Capital University (Columbus, OH)
Centre College (Danville, KY)
Coleman University (San Diego, CA)
Colorado College (Colorado Springs, CO)
Concordia University (Portland, OR)
Concordia University-Wisconsin (Mequon, WI)
Cornerstone University (Grand Rapids, MI)
Culver-Stockton College (Canton, MO)
DeVry University-California (Pomona, CA)
DeVry University-Georgia (Decatur, GA)
DeVry University-Illinois (Addison, IL)
DeVry University-Texas (Irving, TX)
Emporia State University (Emporia, KS)
Franklin W. Olin College of Engineering (Needham, MA)
George Fox University (Newberg, OR)
Goshen College (Goshen, IN)
Grand Canyon University (Phoenix, AZ)
Greensboro College (Greensboro, NC)
Holy Family University (Philadelphia, PA)
Hope College (Holland, MI)
Johnson & Wales University (Providence, RI)
Johnson & Wales University-Charlotte (Charlotte, NC)
Johnson & Wales University-Denver (Denver, CO)
Johnson & Wales University-North Miami (North Miami, FL)
Lebanon Valley College (Annville, PA)
Liberty University (Lynchburg, VA)
Limestone College (Gaffney, SC)
Lubbock Christian University (Lubbock, TX)
Manhattanville College (Purchase, NY)
Maranatha Baptist Bible College (Watertown, WI)
Marist College (Poughkeepsie, NY)
Martin Methodist College (Pulaski, TN)
McPherson College (McPherson, KS)
Methodist University (Fayetteville, NC)
Metropolitan State University of Denver (Denver, CO)
Mississippi University for Women (Columbus, MS)
Ohio State University at Newark, The (Newark, OH)
Ohio State University-Mansfield Campus (Mansfield, OH)
Ohio State University-Marion Campus (Marion, OH)
Pace University (New York, NY)
Rivier University (Nashua, NH)
Rochester Institute of Technology (Rochester, NY)
Savannah College of Art and Design (Savannah, GA)
School of Visual Arts (New York, NY)
Shenandoah University (Winchester, VA)
Simpson University (Redding, CA)
Southern Utah University (Cedar City, UT)
Texas A&M University - Kingsville (Kingsville, TX)
Tyndale University College and Seminary (Toronto, ON)

'Learning with Tech' institutions (N=78), continued

University of Advancing Technology (Tempe, AZ)
University of Alabama (Tuscaloosa, AL)
University of Alabama in Huntsville (Huntsville, AL)
University of Maine at Augusta (Augusta, ME)
University of Northern British Columbia (Prince George, BC)
University of Pittsburgh-Bradford (Bradford, PA)
University of Rhode Island (Kingston, RI)
University of Tennessee Martin, The (Martin, TN)
University of Texas at Arlington, The (Arlington, TX)
University of Texas at El Paso, The (El Paso, TX)
Valley City State University (Valley City, ND)
Virginia Wesleyan College (Norfolk, VA)
Walla Walla University (College Place, WA)
Warner University (Lake Wales, FL)
Wheaton College (Norton, MA)
Wichita State University (Wichita, KS)
William Jewell College (Liberty, MO)
Wright State University (Dayton, OH)

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NSSE 2013 Learning with Technology

Frequencies and Statistical Comparisons

Grand Valley State University

First-Year Students

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] GVSU Count	GVSU %	Learning with Tech Count	Learning with Tech %	Statistical Comparisons[b] GVSU Mean	Learning with Tech Mean	Effect size[d]
1. During the current school year, how much has your use of technology contributed to the following:										
a. Your understanding of course materials and ideas	TEC01a	1	Very little	39	3	418	3			
		2	Some	232	16	2,383	14			
		3	Quite a bit	653	46	6,335	38	**3.1**	3.3 ***	-.17
		4	Very much	492	35	7,867	46			
			Total	1,416	100	17,003	100			
b. Demonstrating your understanding of course content	TEC01b	1	Very little	38	3	515	3			
		2	Some	294	21	2,778	17			
		3	Quite a bit	648	46	6,537	38	**3.0**	3.2 ***	-.18
		4	Very much	430	30	7,071	42			
			Total	1,410	100	16,901	100			
c. Learning, studying, or completing coursework **on your own**	TEC01c	1	Very little	33	2	267	2			
		2	Some	150	11	1,551	9			
		3	Quite a bit	558	40	5,421	32	**3.3**	3.4 ***	-.16
		4	Very much	671	47	9,715	57			
			Total	1,412	100	16,954	100			
d. Learning, studying, or completing coursework **with other students**	TEC01d	1	Very little	143	10	2,036	14			
		2	Some	413	30	4,175	25			
		3	Quite a bit	500	36	5,102	30	**2.7**	2.8 *	-.06
		4	Very much	344	24	5,566	32			
			Total	1,400	100	16,879	100			
e. Distracting you from completing your coursework	TEC01e	1	Very little	86	6	2,974	20			
		2	Some	423	30	5,411	32			
		3	Quite a bit	483	34	4,407	25	**2.9**	2.5 ***	.32
		4	Very much	418	29	4,116	24			
			Total	1,410	100	16,908	100			
2. During the current school year, how much have your courses improved your understanding and use of technology?										
	TEC02	1	Very little	273	20	2,355	15			
		2	Some	574	41	5,717	33			
		3	Quite a bit	400	29	5,494	33	**2.3**	2.6 ***	-.28
		4	Very much	150	11	3,293	20			
			Total	1,397	100	16,859	100			
3. During the current school year, about how often have you used the following technologies in your courses?										
a. Electronic textbooks	TEC03a	1	Never	722	50	6,851	38			
		2	Sometimes	444	32	4,669	27			
		3	Often	157	11	2,474	15	**1.7**	2.2 ***	-.39
		4	Very often	82	6	2,867	20			
		—	I don't know what this is	11	1	127	1			
			Total	1,416	100	16,988	100			
b. Online portfolios or e-portfolios	TEC03b	1	Never	681	48	8,237	48			
		2	Sometimes	371	27	3,613	22			
		3	Often	139	10	1,595	10	**1.6**	1.8 ***	-.12
		4	Very often	45	3	1,240	8			
		—	I don't know what this is	178	12	2,217	13			
			Total	1,414	100	16,902	100			

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Frequencies and Statistical Comparisons

Grand Valley State University

First-Year Students

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] GVSU Count	GVSU %	Learning with Tech Count	Learning with Tech %	Statistical Comparisons[b] GVSU Mean	Learning with Tech Mean	Effect size[d]
c. Blogs	TEC03c	1	Never	938	66	9,711	57			
		2	Sometimes	328	24	4,395	26			
		3	Often	100	7	1,572	10	1.5	1.6 ***	-.22
		4	Very often	32	2	949	6			
		—	I don't know what this is	10	1	193	1			
			Total	1,408	100	16,820	100			
d. Collaborative editing software (Wikis, Google Docs, etc.)	TEC03d	1	Never	377	27	4,830	31			
		2	Sometimes	558	40	5,364	31			
		3	Often	295	21	3,674	21	2.2	2.2 *	-.05
		4	Very often	152	11	2,677	16			
		—	I don't know what this is	17	1	309	2			
			Total	1,399	100	16,854	100			
e. Multimedia software (drawing, audio or video production, editing, etc.)	TEC03e	1	Never	807	57	8,119	47			
		2	Sometimes	334	24	4,238	25			
		3	Often	161	12	2,287	14	1.7	1.9 ***	-.22
		4	Very often	88	6	2,008	12			
		—	I don't know what this is	12	1	234	1			
			Total	1,402	100	16,886	100			
f. Social networking (Facebook, Twitter, etc.)	TEC03f	1	Never	596	42	6,998	42			
		2	Sometimes	395	28	4,566	26			
		3	Often	183	13	2,388	14	2.0	2.1	-.03
		4	Very often	225	15	2,816	17			
		—	I don't know what this is	8	1	115	1			
			Total	1,407	100	16,883	100			
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	TEC03g	1	Never	523	37	5,095	29			
		2	Sometimes	402	29	4,500	26			
		3	Often	199	14	3,095	19	2.2	2.4 ***	-.20
		4	Very often	285	20	4,108	25			
		—	I don't know what this is	4	0	91	1			
			Total	1,413	100	16,889	100			
4. During the current school year, about how often have you used technology to communicate with the following people?										
a. Students	TEC04a	1	Never	12	1	504	4			
		2	Sometimes	203	15	2,163	15			
		3	Often	366	26	3,801	23	3.4	3.4 *	.06
		4	Very often	831	58	10,500	59			
			Total	1,412	100	16,968	100			
b. Academic advisors	TEC04b	1	Never	299	21	2,119	14			
		2	Sometimes	535	38	5,474	33			
		3	Often	340	24	4,669	27	2.4	2.7 ***	-.31
		4	Very often	237	16	4,688	27			
			Total	1,411	100	16,950	100			
c. Faculty	TEC04c	1	Never	77	5	1,047	7			
		2	Sometimes	395	28	4,825	30			
		3	Often	557	40	5,481	32	2.9	2.9	-.01
		4	Very often	378	26	5,529	31			
			Total	1,407	100	16,882	100			

*p<.05, **p<.01, ***p<.001 (2-tailed)

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Frequencies and Statistical Comparisons

Grand Valley State University

First-Year Students

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] GVSU Count	GVSU %	Learning with Tech Count	Learning with Tech %	Statistical Comparisons[b] GVSU Mean	Learning with Tech Mean	Effect size[d]
d. Student services staff (career services, student activities, housing, etc.)	TEC04d	1	Never	367	26	4,909	33			
		2	Sometimes	607	43	5,874	33			
		3	Often	254	18	2,980	17	2.2	2.2	-.03
		4	Very often	178	12	3,119	18			
			Total	1,406	100	16,882	100			
e. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04e	1	Never	515	36	3,890	25			
		2	Sometimes	549	40	6,714	39			
		3	Often	187	13	2,966	17	2.0	2.3 ***	-.30
		4	Very often	154	11	3,281	19			
			Total	1,405	100	16,851	100			
5. How much does your institution emphasize the following?										
a. Teaching with new, cutting-edge technologies	TEC05a	1	Very little	155	11	1,739	11			
		2	Some	566	40	5,410	32			
		3	Quite a bit	508	36	5,979	35	2.5	2.7 ***	-.17
		4	Very much	184	13	3,828	22			
			Total	1,413	100	16,956	100			
b. Providing technology to help you learn, study or complete coursework	TEC05b	1	Very little	78	6	1,026	7			
		2	Some	360	25	3,767	23			
		3	Quite a bit	635	45	6,654	39	2.9	2.9 **	-.07
		4	Very much	339	24	5,483	31			
			Total	1,412	100	16,930	100			
c. Teaching you how to use available technologies to learn, study, or complete coursework	TEC05c	1	Very little	103	7	1,241	8			
		2	Some	434	31	4,379	27			
		3	Quite a bit	578	41	6,278	36	2.8	2.9 ***	-.11
		4	Very much	292	21	5,037	29			
			Total	1,407	100	16,935	100			
d. Providing support services to assist you with your use of technology	TEC05d	1	Very little	154	11	1,361	9			
		2	Some	473	33	4,477	27			
		3	Quite a bit	520	38	6,043	35	2.6	2.8 ***	-.21
		4	Very much	262	19	5,015	29			
			Total	1,409	100	16,896	100			

*p<.05, **p<.01, ***p<.001 (2-tailed)

NSSE 2013 Learning with Technology

Frequencies and Statistical Comparisons

Grand Valley State University

Seniors

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] GVSU Count	GVSU %	Learning with Tech Count	Learning with Tech %	Statistical Comparisons[b] GVSU Mean	Learning with Tech Mean	Effect size[d]
1. During the current school year, how much has your use of technology contributed to the following:										
a. Your understanding of course materials and ideas	TEC01a	1	Very little	39	3	684	3			
		2	Some	262	19	3,301	12			
		3	Quite a bit	525	38	9,198	33	**3.2**	3.3 ***	-.24
		4	Very much	550	40	15,273	52			
			Total	1,376	100	28,456	100			
b. Demonstrating your understanding of course content	TEC01b	1	Very little	50	4	835	3			
		2	Some	310	22	3,912	14			
		3	Quite a bit	520	38	9,421	34	**3.1**	3.3 ***	-.25
		4	Very much	489	36	14,122	49			
			Total	1,369	100	28,290	100			
c. Learning, studying, or completing coursework **on your own**	TEC01c	1	Very little	13	1	398	2			
		2	Some	157	11	2,032	8			
		3	Quite a bit	463	34	7,847	29	**3.4**	3.5 ***	-.15
		4	Very much	744	54	18,075	62			
			Total	1,377	100	28,352	100			
d. Learning, studying, or completing coursework **with other students**	TEC01d	1	Very little	104	8	2,961	11			
		2	Some	305	22	5,671	21			
		3	Quite a bit	485	36	7,892	28	**3.0**	3.0	-.01
		4	Very much	478	34	11,765	40			
			Total	1,372	100	28,289	100			
e. Distracting you from completing your coursework	TEC01e	1	Very little	146	11	6,645	24			
		2	Some	381	28	9,351	33			
		3	Quite a bit	422	31	6,303	22	**2.8**	2.4 ***	.37
		4	Very much	420	30	6,004	21			
			Total	1,369	100	28,303	100			
2. During the current school year, how much have your courses improved your understanding and use of technology?										
	TEC02	1	Very little	271	19	4,102	15			
		2	Some	553	40	8,714	30			
		3	Quite a bit	385	28	8,665	31	**2.3**	2.6 ***	-.29
		4	Very much	166	13	6,847	24			
			Total	1,375	100	28,328	100			
3. During the current school year, about how often have you used the following technologies in your courses?										
a. Electronic textbooks	TEC03a	1	Never	789	57	11,659	41			
		2	Sometimes	365	26	8,724	29			
		3	Often	142	11	3,812	14	**1.6**	2.1 ***	-.37
		4	Very often	75	6	4,117	16			
		—	I don't know what this is	5	0	117	0			
			Total	1,376	100	28,429	100			
b. Online portfolios or e-portfolios	TEC03b	1	Never	760	55	14,074	50			
		2	Sometimes	298	22	6,035	21			
		3	Often	120	9	2,758	10	**1.6**	1.7 ***	-.15
		4	Very often	67	5	2,318	9			
		—	I don't know what this is	127	9	3,116	10			
			Total	1,372	100	28,301	100			

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Frequencies and Statistical Comparisons

Grand Valley State University

Seniors

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] GVSU Count	GVSU %	Learning with Tech Count	Learning with Tech %	Statistical Comparisons[b] GVSU Mean	Learning with Tech Mean	Effect size[d]
c. Blogs	TEC03c	1	Never	772	57	15,738	56			
		2	Sometimes	407	30	7,908	27			
		3	Often	134	10	2,613	9	1.6	1.6 *	-.05
		4	Very often	47	3	1,635	6			
		—	I don't know what this is	5	0	248	1			
			Total	1,365	100	28,142	100			
d. Collaborative editing software (Wikis, Google Docs, etc.)	TEC03d	1	Never	200	15	7,807	29			
		2	Sometimes	510	38	8,235	30			
		3	Often	417	31	6,216	21	2.5	2.3 ***	.19
		4	Very often	236	17	5,604	18			
		—	I don't know what this is	3	0	384	1			
			Total	1,366	100	28,246	100			
e. Multimedia software (drawing, audio or video production, editing, etc.)	TEC03e	1	Never	728	52	12,353	44			
		2	Sometimes	343	25	7,766	27			
		3	Often	165	12	3,965	14	1.8	2.0 ***	-.17
		4	Very often	130	10	3,884	14			
		—	I don't know what this is	7	1	308	1			
			Total	1,373	100	28,276	100			
f. Social networking (Facebook, Twitter, etc.)	TEC03f	1	Never	537	39	13,095	47			
		2	Sometimes	415	30	7,409	26			
		3	Often	209	15	3,704	13	2.1	1.9 ***	.12
		4	Very often	211	15	3,813	14			
		—	I don't know what this is	4	0	236	1			
			Total	1,376	100	28,257	100			
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	TEC03g	1	Never	484	35	8,541	29			
		2	Sometimes	359	26	7,232	25			
		3	Often	245	18	5,403	19	2.2	2.4 ***	-.15
		4	Very often	279	21	7,024	26			
		—	I don't know what this is	4	0	137	0			
			Total	1,371	100	28,337	100			
4. During the current school year, about how often have you used technology to communicate with the following people?										
a. Students	TEC04a	1	Never	14	1	693	3			
		2	Sometimes	149	11	3,380	13			
		3	Often	311	23	5,829	21	3.5	3.5 *	.06
		4	Very often	902	64	18,496	64			
			Total	1,376	100	28,398	100			
b. Academic advisors	TEC04b	1	Never	233	17	3,877	14			
		2	Sometimes	491	36	8,716	31			
		3	Often	305	22	6,675	24	2.5	2.7 ***	-.17
		4	Very often	348	25	9,077	31			
			Total	1,377	100	28,345	100			
c. Faculty	TEC04c	1	Never	32	3	925	4			
		2	Sometimes	293	22	6,331	24			
		3	Often	498	36	8,828	31	3.1	3.1	.03
		4	Very often	547	39	12,150	41			
			Total	1,370	100	28,234	100			

*p<.05, **p<.01, ***p<.001 (2-tailed)

NSSE 2013 Learning with Technology

Frequencies and Statistical Comparisons

Grand Valley State University

Seniors

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] GVSU Count	GVSU %	Learning with Tech Count	Learning with Tech %	Statistical Comparisons[b] GVSU Mean	Learning with Tech Mean	Effect size[d]
d. Student services staff (career services, student activities, housing, etc.)	TEC04d	1	Never	598	44	10,594	39			
		2	Sometimes	470	34	8,480	29			
		3	Often	152	11	3,866	13	1.9	2.1 ***	-.19
		4	Very often	153	11	5,297	18			
			Total	1,373	100	28,237	100			
e. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04e	1	Never	472	34	6,268	25			
		2	Sometimes	606	44	11,468	40			
		3	Often	152	11	4,710	16	2.0	2.3 ***	-.31
		4	Very often	143	10	5,778	19			
			Total	1,373	100	28,224	100			
5. How much does your institution emphasize the following?										
a. Teaching with new, cutting-edge technologies	TEC05a	1	Very little	166	12	2,989	11			
		2	Some	555	40	9,115	33			
		3	Quite a bit	473	35	9,733	34	2.5	2.7 ***	-.18
		4	Very much	183	13	6,536	22			
			Total	1,377	100	28,373	100			
b. Providing technology to help you learn, study or complete coursework	TEC05b	1	Very little	96	7	2,107	8			
		2	Some	435	31	6,819	25			
		3	Quite a bit	559	41	10,692	37	2.8	2.9 ***	-.13
		4	Very much	285	21	8,692	29			
			Total	1,375	100	28,310	100			
c. Teaching you how to use available technologies to learn, study, or complete coursework	TEC05c	1	Very little	169	12	2,811	11			
		2	Some	476	35	7,907	29			
		3	Quite a bit	486	35	9,794	34	2.6	2.8 ***	-.17
		4	Very much	246	18	7,801	26			
			Total	1,377	100	28,313	100			
d. Providing support services to assist you with your use of technology	TEC05d	1	Very little	188	14	3,003	12			
		2	Some	522	38	8,123	30			
		3	Quite a bit	448	33	9,511	33	2.5	2.7 ***	-.22
		4	Very much	209	15	7,602	25			
			Total	1,367	100	28,239	100			

*p<.05, **p<.01, ***p<.001 (2-tailed)

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Detailed Statistics[e]

Grand Valley State University

First-Year Students

Variable name	N	Mean		Standard error[f]		Standard deviation[g]		DF[h]	Sig.[i]	Effect size[d]
	GVSU	GVSU	Learning with Tech	GVSU	Learning with Tech	GVSU	Learning with Tech	*Comparisons with:* Learning with Tech		
TEC01a	1,416	3.1	3.3	.02	.00	0.8	0.8	1,563	.000	-.17
TEC01b	1,410	3.0	3.2	.02	.00	0.8	0.8	1,563	.000	-.18
TEC01c	1,412	3.3	3.4	.02	.00	0.8	0.7	30,505	.000	-.16
TEC01d	1,400	2.7	2.8	.03	.01	0.9	1.0	1,569	.017	-.06
TEC01e	1,410	2.9	2.5	.02	.01	0.9	1.1	1,599	.000	.32
TEC02	1,396	2.3	2.6	.02	.01	0.9	1.0	1,553	.000	-.28
TEC03a	1,406	1.7	2.2	.02	.01	0.9	1.1	1,643	.000	-.39
TEC03b	1,241	1.6	1.8	.02	.01	0.8	1.0	1,423	.000	-.12
TEC03c	1,399	1.5	1.6	.02	.01	0.7	0.9	1,613	.000	-.22
TEC03d	1,382	2.2	2.2	.03	.01	0.9	1.1	1,555	.039	-.05
TEC03e	1,391	1.7	1.9	.02	.01	0.9	1.1	1,573	.000	-.22
TEC03f	1,399	2.0	2.1	.03	.01	1.1	1.1	1,544	.252	-.03
TEC03g	1,409	2.2	2.4	.03	.01	1.1	1.2	1,555	.000	-.20
TEC04a	1,412	3.4	3.4	.02	.01	0.8	0.9	1,590	.018	.06
TEC04b	1,411	2.4	2.7	.03	.01	1.0	1.0	1,556	.000	-.31
TEC04c	1,407	2.9	2.9	.02	.01	0.9	0.9	1,571	.822	-.01
TEC04d	1,406	2.2	2.2	.03	.01	1.0	1.1	1,584	.210	-.03
TEC04e	1,405	2.0	2.3	.03	.01	1.0	1.0	1,570	.000	-.30
TEC05a	1,413	2.5	2.7	.02	.01	0.9	0.9	1,584	.000	-.17
TEC05b	1,412	2.9	2.9	.02	.01	0.8	0.9	1,576	.004	-.07
TEC05c	1,407	2.8	2.9	.02	.01	0.9	0.9	1,568	.000	-.11
TEC05d	1,410	2.6	2.8	.02	.01	0.9	0.9	30,383	.000	-.21

NSSE 2013 Learning with Technology

Detailed Statistics[e]

Grand Valley State University

Seniors

Variable name	N	Mean		Standard error[f]		Standard deviation[g]		DF[h]	Sig.[i]	Effect size[d]
	GVSU	GVSU	Learning with Tech	GVSU	Learning with Tech	GVSU	Learning with Tech	*Comparisons with:* Learning with Tech		
TEC01a	1,377	3.2	3.3	.02	.00	0.8	0.8	37,700	.000	-.24
TEC01b	1,370	3.1	3.3	.02	.00	0.9	0.8	1,469	.000	-.25
TEC01c	1,378	3.4	3.5	.02	.00	0.7	0.7	1,477	.000	-.15
TEC01d	1,373	3.0	3.0	.03	.01	0.9	1.0	1,500	.677	-.01
TEC01e	1,370	2.8	2.4	.03	.01	1.0	1.1	1,493	.000	.37
TEC02	1,377	2.3	2.6	.03	.01	0.9	1.0	1,502	.000	-.29
TEC03a	1,371	1.6	2.1	.02	.01	0.9	1.1	1,533	.000	-.37
TEC03b	1,249	1.6	1.7	.02	.01	0.9	1.0	1,377	.000	-.15
TEC03c	1,362	1.6	1.6	.02	.00	0.8	0.9	1,490	.040	-.05
TEC03d	1,364	2.5	2.3	.03	.01	0.9	1.1	1,504	.000	.19
TEC03e	1,368	1.8	2.0	.03	.01	1.0	1.1	37,077	.000	-.17
TEC03f	1,373	2.1	1.9	.03	.01	1.1	1.1	37,152	.000	.12
TEC03g	1,368	2.2	2.4	.03	.01	1.1	1.2	1,477	.000	-.15
TEC04a	1,377	3.5	3.5	.02	.00	0.7	0.8	1,505	.021	.06
TEC04b	1,378	2.5	2.7	.03	.01	1.0	1.0	37,558	.000	-.17
TEC04c	1,372	3.1	3.1	.02	.00	0.8	0.9	1,491	.218	.03
TEC04d	1,374	1.9	2.1	.03	.01	1.0	1.1	1,508	.000	-.19
TEC04e	1,374	2.0	2.3	.03	.01	0.9	1.0	1,507	.000	-.31
TEC05a	1,378	2.5	2.7	.02	.00	0.9	0.9	1,504	.000	-.18
TEC05b	1,376	2.8	2.9	.02	.00	0.9	0.9	1,500	.000	-.13
TEC05c	1,378	2.6	2.8	.02	.01	0.9	1.0	37,509	.000	-.17
TEC05d	1,368	2.5	2.7	.02	.01	0.9	1.0	1,488	.000	-.22

Endnotes

a. Column percentages are weighted by gender and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts.

b. All statistics are weighted by gender and enrollment status (and institution size for comparison groups). Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Items with categorical response sets are left blank.

c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook.

d. Effect size for independent t-tests uses Cohen's *d*.

e. Statistics are weighted by gender and enrollment status (and institution size for comparison groups). Categorical items are not listed.

f. The 95% confidence interval for the population mean is equal to the sample mean plus or minus 1.96 times the standard error of the mean.

g. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

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

i. Statistical comparisons are two-tailed independent t-tests. Statistical significance represents the probability that the difference between your students' mean and that of the comparison group is due to chance.