

Missouri Census of Technology	DISTRICT Level Census Form (2008)	N= 550
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Complete this census form to reflect district technology status as of **March 1**.
 Consult the Core Data Manual and [Help](#) file, call (573) 751-8247, or e-mail: instrtech@dese.mo.gov for assistance as needed.

- Year district technology plan was last approved by DESE: [285 \(2006\)](#) [203 \(2007\)](#) [59 \(2008\)](#).
- Board-approved education technology standards and population(s) that must meet the standards. (Check ALL that apply)

STANDARDS	Districts/ LEAs	Percent LEAs
Locally-developed	463	84.2%
Adopted National Educational Technology Standards (ISTE)	250	45.5%
Adopted Standards for Technological Literacy (ITEA)	60	10.9%
Other (specify) Show-Me Standards (2)	3	0.5%
None	26	4.7%

STUDENT STANDARDS		
Grade Span	LEAs	Percent
K-2	472	85.8%
3-5	492	89.5%
6-8	504	91.6%
9-12	412	74.9%
Area Career Center	54	9.8%
None	29	5.3%

STAFF STANDARDS		
Staff Type	LEAs	Percent
Administrators	466	84.7%
Teachers	473	86.0%
Support Services	411	74.4%
None	76	13.8%

- Estimated total FTE of district-level staff or total hours of those directly responsible for technical maintenance and support of hardware. (Check one in each category)

EMPLOYEES				
Status	LEAs	Percent	Average FTE	Median FTE
Yes	517	94%	2.2	1.0
No	33	6%	Na	Na

NON-EMPLOYEES				
Status	LEAs	Percent	Average Hours	Median Hours
Yes	214	39%	287	80
No	336	61%	Na	Na

No FTE or Contract hours: [4 Buildings](#)

- District-supported administrative systems. (Check ALL that apply)

SYSTEM	LEAs	Percent
Accounting/budget/payroll	539	98%
Class website hosting	351	64%
Communication/email	522	95%
Course scheduling	442	80%
Discipline	468	85%
Distance education	247	45%
Extra-curricular schedule	228	42%
Food Service	476	87%
Grade book	489	89%
Health Service	442	80%
Human resources	233	42%
IEP management	443	81%
Instructional management	197	36%
Inventory	539	62%
Library catalog	502	91%
School safety	173	32%
Student attendance	524	95%
Student fees	313	57%
Student performance	392	71%
Teacher evaluations	200	36%
Technical support	340	62%
Transportation	268	49%
None	0	0%

- 5) All buildings in district are connected through a wide or local area network. [501 / 91.1%](#) Yes [49 / 8.9%](#) No
- 6) Core content area(s) in which technology is integrated. (Check ALL that apply)
[538 / 97.8%](#)Communication Arts [524 / 95.3%](#)Mathematics [531 / 96.5%](#)Science [516 / 93.8%](#)Social Studies
- 7) Estimated percentage of following populations with district-provided email accounts.

GRADES	LEAs	Percent	Median
PreK-2	13	2.4%	100%
3-5	36	6.5%	42%
6-8	60	10.9%	95%
9-12	132	24.0%	20%
None	402	73.1%	Na

STAFF TYPE	LEAs	Percent	Median
Administrators	534	97.1%	100%
Teachers	530	96.4%	100%
Support services staff	509	92.5%	100%
None	16	2.9%	Na

- 8) Estimated percentage of district 8th graders who are technologically literate. [Median = 92%](#)
- 9) Amount budgeted for technology for current year. [\\$162,596,125 \(Average = \\$295,093\) \(median = \\$55,000\)](#)
- 10) Dollar value of district E-rate discount for current year (per FCDLs). [\\$26,166,277 \(average = \\$47,489\) \(Median = \\$5,904\)](#)
- 11) Estimated percentage of E-rate discount used to support education technology. [Median = 50%](#)

Missouri Census of Technology	School Building Level Census Form (2008) N= 2248
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PLANNING

- 1) Type of building technology plan: [163 / 7%](#)Stand-alone plan [2068 / 92%](#) Integrated in district plan [17 / 1%](#) No building plan

TRAINING

- 1) Estimated percentage of faculty/staff in the school building at each skill level of education technology use.

FACULTY/STAFF	Beginner	Intermediate	Advanced	Total
Administrator(s)	5%	64%	31%	100%
Teachers	14%	60%	26%	100%
Support services staff	26%	52%	22%	100%

- 2) Number of teachers in the school participating in education technology-related professional development (including eMINTS).

HOURS COMPLETED	Buildings	Percent Buildings	Teachers	Average per Building
0 hours	511	23%	8,845	17
1 to 15 hours	2003	89%	45,577	23
16 to 30 hours	894	40%	7,741	9
More than 30 hours	705	31%	3,916	6
Total			66,079	

Median Teacher: [1-15 Hours](#)

- 3) Number of eMINTS-trained teachers in school building.

eMINTS PROGRAMS	None (Buildings)	Completed year 1 only	Completed both years	Total Teachers
Comprehensive eMINTS for Teachers	1,761	509 in 240 Buildings	999 in 356 Buildings	1508
eMINTS for Ed-Tech Specialists	2,151	51 in 36 Buildings	103 in 63 Buildings	154
Other two-year eMINTS programs	2,129	164 in 57 Buildings	335 in 81 Buildings	519

HARDWARE AND SUPPORT

- 1) Estimated total FTE of school building staff or total hours of others directly responsible for technical maintenance and/or support of hardware. (Check all that apply) **Averages – All Buildings: [1.09 FTE](#) and [42 Hours](#)**

EMPLOYEE TYPE	Total FTE	Number Buildings	Percent Buildings	Average FTE	Median FTE
District staff	1500.4	1817	81%	.83	0.00
School certificated staff	486.5	542	24%	.90	0.50
School non-certificated staff	465.8	459	20%	1.01	1.00
None	Na	137	6%	Na	Na

Estimated total hours of others directly responsible for technical maintenance and/or support of hardware. (Continued)

Average – All Buildings: 42 Hours

NON-EMPLOYEE SERVICE PROVIDER	Total Hours	Number Buildings	Percent Buildings	Average Hours	Median Hours
Students	19,358.5	165	7%	117	25
Parents/community members	3,421.0	15	<1%	228	50
Vendors/contractors	72,537.0	572	25%	127	38
None	Na	1,541	69%	Na	Na

2) Computers by type and location within school building.

COMPUTER PLATFORM	Labs	Instructional Rooms					LMCs	Admin.	Total
		PreK-2	3-5	6-8	9-12	ACC			
APPLE/MAC									
LC series and lower	823	355	307	90	333	40	56	57	2,061
Power Mac series	292	490	298	135	300	37	62	19	1,633
G3	3,265	2,636	2,611	2,053	1,166	197	650	234	12,812
G4 or later	10,771	3,039	4,670	4,604	3,807	502	1,674	925	29,992
PC COMPATIBLE									
486 or earlier	40	109	63	59	141	17	71	30	530
Pentium I or II	1,449	1607	1654	871	2098	189	709	456	9033
Pentium III	7,251	3817	4870	4192	5417	826	2261	1459	30093
Pentium IV or later	66,600	17685	27207	22905	37213	6730	16533	17002	211875
Celeron	8,381	3574	5540	3673	5332	409	1890	1858	30657
AMD (under 450 MHz)	5,034	1448	2274	1902	2565	367	1273	1237	16100
AMD (450 MHz/higher)	529	240	319	249	348	24	228	116	2053
HANDHELDS	1274	1336	5199	3304	2130	183	771	1602	15799

*Computer Summary Statistics**

Computer Type / Location	Computer Labs	Classrooms						Library Centers	Rooms Total	Admin. Offices	TOTAL
		PreK-2	3-5	6-8	9-12	Area Career	Sub-Total				
DESK/LAPTOPS											
Apple/Mac	15,151	6,520	7,886	6,882	5,606	776	27,670	2,442	45,263	1,235	46,498
PC/PC-comp.	89,284	28,480	41,927	33,851	53,114	8,562	165,934	22,965	278,183	22,158	300,341
Sub-total	104,435	35,000	49,813	40,733	58,720	9,338	193,604	25,407	323,446	23,393	346,839
Percent of All	30.1%	10.1%	14.4%	11.7%	16.9%	2.7%	55.8%	7.3%	93.3%	6.7%	100%
Ratio	8.57	5.82	4.05	5.00	4.86	NA	4.62	NA	2.77	NA	2.58
HANDHELDS											
Handhelds	1,274	1,336	5,199	3,304	2,130	183	12,152	771	14,197	1,602	15,799
TOTAL											
Number	105,709	36,336	55,012	44,037	60,850	9,521	205,756	26,178	337,643	24,995	362,638
Percent of All	29.2%	10.0%	15.2%	12.1%	16.8%	2.6%	56.7%	7.2%	93.1%	6.9%	100%
Ratio	8.46	5.61	3.67	4.62	4.69	NA	4.35	NA	2.65	NA	2.47

* Ratios are based on the 2007-08 K-12 student population: 894,497 [203,703 K-2, 201,880 3-5, 203,472 6-8, and 285,442 9-12]

3) Internet connected and multimedia equipped computers by location within school building.

COMPUTER / CONNECTION TYPE	Labs	Classrooms					LMCs	Admin.	Total
		PreK-2	3-5	6-8	9-12	ACC			
Multimedia-Equipped	100801	33230	47766	38456	54687	7649	24487	22970	330046
Internet-Connected	105718	33856	49750	40439	59191	8314	25829	24306	347403
Wired Connection									
Desktops	84295	29620	40809	32436	47010	7213	21951	19830	283164
Laptops	1110	1075	1943	1446	1977	283	634	1870	10338
Handhelds	58	415	526	376	171	7	11	205	1769
Wireless Connection									
Desktops	2012	281	1074	396	983	153	333	142	5374
Laptops	18118	2382	5191	5344	7916	610	2788	1595	43944
Handhelds	125	83	207	441	1134	48	112	664	2814

Multimedia and Internet Computer Table – Summary Statistics

Computer Type / Location	Computer Labs	Classrooms Rooms						Library Centers	Rooms Total	Admin. Offices	TOTAL
		PreK-2	3-5	6-8	9-12	Career	Sub-Total				
INTERNET											
Number	105,718	33,856	49,750	40,439	59,191	8,314	191,550	25,829	323,097	24,306	347,403
Percent of All	30.4%	9.7%	14.3%	11.6%	17.0%	2.4%	55.1%	7.4%	93.0%	7.0%	100%
Ratio	8.46	6.02	4.06	5.03	4.82	NA	4.67	NA	2.77	NA	2.57
MULTIMEDIA											
Number	100,801	33,230	47,766	38,456	54,687	7,649	181,788	24,487	307,076	22,970	330,046
Percent of All	30.5%	10.1%	14.5%	11.7%	16.6%	2.3%	55.1%	7.4%	93.0%	7.0%	100%
Ratio	8.87	6.13	4.23	5.29	5.22	NA	4.92	NA	2.91	NA	2.71

4) Technology by type and location within school building.

TOTAL NUMBER OF ROOMS	Labs	Classrooms					ACC	LMCs	Rooms Total	Admin.	Total
		PreK-2	3-5	6-8	9-12	ACC					
	4,169	14,083	13,318	14,604	18,590	1,887	2,287	68,938	13,148	82,086	
Percent rooms with...											
Telephone access	67%	62%	63%	64%	66%	70%	88%	65%	95%	70%	
Internet access (wired or wireless)	98%	98%	99%	98%	98%	94%	97%	98%	98%	98%	
one or more multimedia equipped computers	96%	95%	81%	92%	94%	88%	93%	94%	92%	94%	
one or more multimedia computers connected to Internet	92%	94%	95%	92%	92%	83%	91%	93%	90%	92%	
one+ Internet-connected multimedia computers and access to a printer, and a dedicated projection device	70%	42%	54%	45%	44%	33%	53%	47%	17%	42%	

5) Estimated typical (average) timeframe for resolving minor or routine technical problems/repairs. (Check One)

NUMBER WORKING DAYS	Buildings	Percent
1 day	1,002	45%
2 to 3 days	964	43%
4 to 6 days	202	9%
7 to 10 days	49	2%
Over 10 days	27	1%

6) Estimated percentage of computers in working order on a typical (average) day Median = 98%.

INTERNET CONNECTIVITY- DISTANCE LEARNING

1) School building Internet connection by bandwidth and delivery mode. (Check one in each column)

BANDWIDTH	Buildings	Percent	DELIVERY MODE	Buildings	Percent
56kb – 384 kb	23	1%	Copper line	689	31%
385kb – 1.4mb	154	7%	Fiber	1,373	61%
1.5mb (T1) – 9.9mb	1,171	52%	DSL	89	4%
10mb – 45mb	449	20%	Satellite	8	<1%
45mb – 100mb	258	11%	Other: <u>42 Wireless</u>	46	2%
>100mb	189	48%	None/Unknown	38	2%
None	1	<1%			

2) Estimated percentage of computers connected to school building LAN (or district WAN) Median = 99%

3) Distance learning system(s) available to students in school building. (Check ALL that apply)

DISTANCE LEARNING SYSTEM	Buildings	Percent
I-TV: two-way interactive (audio and video) television	426	19%
Desktop video conferencing: two-way interactive instruction	342	15%
Web-based online instruction via Internet: non-interactive	1,158	52%
Satellite: one-way instructional video	304	14%
Cable TV: one-way instructional video	1,127	50%
Other: <u>94 Video/United Streaming</u> <u>15 Blackboard/Moodle</u>	144	6%
None	435	19%

TECHNOLOGY USAGE

- 1) Estimated percentage of administrators, teachers, and students routinely using following applications.

APPLICATION	Administrators	Teachers	Students
Educational software	49%	80%	80%
Email	98%	97%	14%
EBSCO host	16%	25%	23%
Electronic encyclopedia	17%	34%	36%
Newsbank	9%	14%	12%

- 2) Estimated percentage of administrators, teachers, and students routinely using computers for following functions.

FUNCTION	Administrators	Teachers	Students
Produce media, web, or multimedia products to demonstrate learning, make presentations	66%	64%	50%
Produce written or print products to demonstrate learning, make presentations	84%	84%	63%
Communicate with peers, experts, others	96%	93%	25%
Communicate with parents and students	88%	81%	17%
Conduct online research	84%	81%	61%
Participate in online courses (this year)	14%	17%	4%
Manage student records (spreadsheet/database)	89%	86%	Na
Track student performance	88%	86%	Na
Assess student performance	78%	82%	Na
Deliver and present instruction	44%	73%	Na
Prepare lesson plan(s)	Na	77%	Na

- 3) Estimated total FTE of staff or others directly responsible for integration of technology into curriculum and instruction. (Check all that apply) **Overall Averages: 1.21 FTE and 13 Hours**

EMPLOYEE TYPE	Total FTE	Number Buildings	Percent Buildings	Average FTE	Median FTE
Instructional tech specialist	568.2	851	38%	0.67	0.50
Library/media specialist	522.5	1,390	62%	0.38	0.25
School administrator	264.5	1,108	49%	0.24	0.10
Teacher	617.1	1,254	56%	0.49	0.25
School technical staff	233.2	396	18%	0.59	0.50
District technical staff	414.3	955	42%	0.44	0.25
Other: 95 Curriculum Director 59 District Instructional Staff	101.9	221	10%	0.46	0.25
None	Na	134	6%	Na	Na

NON-EMPLOYEE SERVICE PROVIDER	Total Hours	Number Buildings	Percent Buildings	Average Hours	Median Hours
Students	16,497	53	2%	311	10
Regional center/RPDC	1,958	92	4%	21	10
Others: 55 Contractors 6 Parents	10,278	65	3%	158	Na
None	Na	2,050	91%	Na	Na

- 4) Estimated percentage of teaching staff fully integrating technology into curriculum and instruction. **Median = 65%**

- 5) School (or district) supported technology-mediated feedback. (Check ALL that apply)

FEEDBACK SYSTEM	Buildings	Percent
Automated absentee system	574	26%
Electronic bulletin board	553	25%
Email	2,156	96%
Homework hotline via web	383	17%
Homework hotline via telephone	267	12%
Listservs	338	15%
Voice Mail	1,345	60%
Other: 261 Electronic Gradebook (Parent access) 171 District Website 108 Auto Call/Text 39 Blackboard/Moodle sites	620	28%
None	2	2%