New Hampshire Department of Education

New Hampshire School Technology Survey 2005-06

Summary Report

This survey was administered as an online survey between 12/15/05 and 2/28/06. Requests to complete the survey were sent to all district technology coordinators as well as federal technology grant project managers in New Hampshire. A total of 402 out of 475 (85%) school building surveys were received and analyzed to create this report.

For questions about this report:
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General

1. School Name:	402 total schools responded (85%) 223 = elementary thru Grade 5 40 = elementary thru Grade 8 74 = middle schools with Grade 8 65 = high schools
2. Survey Contact Person if we have questions:	
3. Email of Contact Person:	
4. School website address:	

Technology Access: Hardware

Computers All Levels
Please indicate below the number of multimedia computers of each type in use in your school building for INSTRUCTIONAL purposes. DO NOT include computers that are older than Level C. Fill in all boxes. Count the number of school computers located in labs, media centers, classrooms, special education, vocational centers, and on mobile lab carts available for student use. DO NOT include computers used largely for ADMINISTRATIVE purposes.

5. How many Mac computers do you have for instruction at each level? **11,078 (23%)**

Level C Mac G3 running OS8-9 or OSX	**5,134**	**Level D** Mac G4 *booting* in OS9	**572**	**Level E** Mac G4 or better *booting* in OSX	**5,372**

6. How many **PC** computers do you have for instruction at each level? **34,194 (72%)**

Level C PC Pentium II running Windows 95/98 or Linux	**3,502**	**Level D** PC Pentium III running Windows 98/2000 or Linux	**9,499**	**Level E** PC Pentium IV or better running Windows 2000/XP or Linux	**21,193**

7. How many **Thin Client** computers do you have for instruction?

	Thin Client running Citrix Windows or Linux	**1,999 (4.2%)**	**Total Computers All Platforms = 47,271**

Instructional Rooms and Locations of Computers

8. How many instructional rooms, including classrooms, library, computer labs, etc., are in your building?	Total = 11,884 Average = 30 rooms per bldg Average 4 computers per room
9. How many MOBILE LABS with computers are in your building, if any? (Please count each lab cart, but not individual computers.)	410 among 233 schools Average of 1.8 labs per school
10. Please indicate below the number of computers (Levels C, D, E, thin client listed above)	

that are located in each instructional area listed below and available for student use:	
Laptop computers on mobile lab carts:	6,756 among 241 schools Average 16 per cart
Computers in (fixed) instructional labs:	13,632 or 29% of all computers in schools are in fixed labs
Computers in media centers:	3,655 or 8% of all computers in schools are in media centers
Computers dedicated to students with special needs:	1,954 or 4% of all computers in schools are dedicated to students with special needs
Computers dedicated to a regional career & technical center:	1,364 or 3% of all computers in schools are dedicated to a career and tech center

Digital Presentation Tools

11. How many of each type of ***digital presentation tool*** is available for use in your school?

Digital data / LCD projectors:	1,616 projectors or 14% of all instructional rooms have 1 projector
Video conferencing units (e.g., Tandberg, PictureTel, Zydacron)	39
Large monitors (i.e., 32" or larger)	960
Electronic whiteboards (e.g., Smartboard, Mimeo)	299
Classrooms with access to cable TV	7,516

Digital Handheld Tools

12. How many of each type of ***digital handheld tool*** is available for use *by students* in your school?

Digital cameras (still images, may have limited video capacity):	1,623
Digital Video cameras	652
Image scanners	1,019
Portable digital media players (e.g., iPods, MP3, play-aways, archos)	107
Portable keyboards (e.g., Alphasmarts) (not laptop computers)	3,944
PDA / Handhelds (e.g., Palm, Handspring)	571
Global Positioning System (GPS Units)	341
Robotics kits (e.g., Lego, Vex)	656
Digital microscopes	207
Graphing calculators	4,874
Calculator Based Labs (CBLs) for use with graphing calculators (see www.vernier.com/mbl/cbl2.html)	260
Data collection tools (e.g., sensors and probes)	1,754
Data collection interfaces/loggers (e.g., Vernier LabPros, Hobo Loggers)	647
Other digital tools not listed above	143

Technology Access: Software

All software questions (i.e., student information systems, data warehousing, library automation, filtering, etc.) are on the district tech survey.

Technology Access – Connectivity and Networks

Student access

13. Do you set up student profiles/accounts on your school or district network (i.e., students have access to storage of their data files over the network)?	247 = Yes (61%) 155 = No (39%)

14. If so, for which grade spans?	102 = Elementary 38 = Elementary/Middle 54 = Middle/Junior high 53 = High school
15. How much storage space do you allow each student?	5 = variable 70 = Less than 100 MB 32 = Between 100 to 199 MB 17 = Between 200 to 299 MB 6 = Between 300 to 499 MB 2 = 500 MB 2 = 700 MB 2 = Between 1 to 50 GB 3 = Between 50 to 75 GB 94 = unlimited 22 = No response 146 = N/A
16. Can students access their accounts outside of school (i.e., remote access)?	16 = Yes (4%) 376 = No (96%)
17. Does your school allow students to regularly send or receive email through the school network using either school supplied or web based (e.g., hotmail, yahoo) email accounts?	51 = Yes (13%) 348 = No (87%) 3 = No response
Teacher / staff access	
18. Do you set up teacher profiles/accounts on your school or district network (i.e., teachers have access to storage of their data files over the network)?	338 = Yes (84% of schools) 62 = No (16% of schools) 2 = No response
19. Can teachers access their file storage accounts outside of school (i.e., remote access)?	65 = Yes (16% of schools) 335 = No (84% of schools) 2 = No response
20. Does your school provide email accounts for all staff?	381 = Yes (97% of schools) 13 = No (3% of schools) 8 = No response
21. Can teachers access their email accounts outside of school (i.e., remote access)?	384 = Yes (96% of schools) 16 = No (4% of schools) 2 = No response
22. Is there a **school** policy or expectation for teachers to use email as a primary school communication tool? (This question will also be asked at the district level.)	298 = Yes (75% of schools) 101 = No (25% of schools) 3 = No response
23. Is there a **school** policy or expectation for teachers to maintain a class web page for access by parents and students to homework and other information?	104 = Yes (26% of schools) 296 = No (74% of schools) 2 = No response
Connectivity	
24. What is your school's average bandwidth used per month? (Your local ISP should be able to provide this information.)	Data received was unreliable for reporting totals.
25. What type of network is in your school?	383 = Server based (96%) 16 = Peer to Peer (4%) 3 = No Response
26. What is your school's standard network speed?	28 = 10 Mbps (7%) 352 = 100 Mbps (90%) 13 = 1000 Mbps (3%) 9 = No response
Online Content for Students Please consult with your guidance counselor to answer the following questions.	

27. Does your school currently purchase Internet based distance learning content for students as supplementary material (e.g., Nettrekker, etc.)? If yes, please indicate which provider.	139 = Yes (35%) 261 = No (65%) 2 = No response Provider(s): 3 = BrainPop 2 = EBSCO 5 = Enchanted Learning 10 = Grolier Online 93 = NetTrekker 4 = Plato Learning Others: Cobblestone, eLibrary, GetaClue, Jason Project, Reading A to Z, United Streaming, Visual Basic, World Book
28. Does your school currently purchase Internet based distance learning **courses** for students (e.g., Virtual High School, etc.)? If yes, please indicate which provider.	22 = Yes 354 = No 26 = No response Provider: 1 = Apex Learning 1 = BrainPop 2 = Manhattan Virtual Classroom 2 = NovaNET 4 = Plato 2 = Typing Pal 20 = Virtual High School (GoVHS)
29. Does your school currently provide **point to point**, two-way, real time video conferencing for distance learning for students (e.g., iChat, NetMeeting)?	21 = Yes (5%) 376 = No (95%)
30. Does your school currently provide synchronous, multi-point, real-time video conferencing for distance learning for students (e.g., GSDLN)?	22 = Yes (5%) 375 = No (95%)
31. Are you using a **video-on-demand** product, such as UnitedStreaming, ClearVue, Safari Montage, or other? Please indicate which provider.	1 = ClearVue 2 = Safari Montage 117 = UnitedStreaming 6 = Other (Atomic Learning, in-house QuickTime Server) 269 = None
Online Content for Teachers	
32. Does your school currently purchase **Internet based** distance learning content (online PD courses) for teachers (e.g., LESCN, Connected University, HeinemannU, etc.)?	102 = Yes (26%) 298 = No (74%) 2 = No response
33. Does your school currently provide **point to point**, two-way, real time video conferencing for distance learning for teachers (e.g., iChat, NetMeeting)?	23 = Yes (6%) 375 = No (94%) 4 = No response
34. Does your school currently provide **synchronous, multi-point**, real-time video conferencing for distance learning for teachers (e.g., GSDLN)?	24 = Yes (6%) 377 = No (94%) 1 = No response
Technology Access - Service & Support	
Please help us understand your in-school tech support model for **hardware maintenance**.	

35. We have one or more paid full time tech support staff dedicated to hardware maintenance at our school.	124 = Yes (31%) 277 = No (69%) 1 = No response
36. We have one or more paid part time tech support staff dedicated to hardware maintenance at our school.	140 = Yes (36%) 253 = No (64%) 9 = No response
37. We provide stipends to one or more school staff as a building technology expert to handle hardware maintenance issues.	106 = Yes (27%) 290 = No (73%) 6 = No response
38. We have a student program to provide tech support (i.e., GenYes or other).	26 = Yes (7%) 373 = No (93%) 3 = No response
39. We have IT support from staff and/or students without specific compensation.	138 = Yes (35%) 260 = No (65%) 4 = No response
Please help us understand your in-school tech support model for **applications software**.	
40. We have one or more paid full time staff dedicated to software support at our school.	108 = Yes (27%) 294 = No (73%) 0 = No response
41. We have one or more paid part time staff dedicated to software support at our school.	114 = Yes (29%) 284 = No (71%) 4 = No response
42. We provide stipends to one or more school staff as a building technology expert to handle software support issues (e.g., teacher, library media specialist also handles hardware maintenance).	124 = Yes (31%) 274 = No (69%) 4 = No response
43. We have a student program to provide software support.	20 = Yes (5%) 378 = No (95%) 4 = No response
44. We have software support from staff and/or students **without** specific compensation.	160 = Yes (40%) 241 = No (60%) 1 = No response
Please help us understand your in-school support model for supporting **curriculum integration strategies**.	
45. We have one or more paid full time staff at our school dedicated to supporting teachers to integrate technology into the curriculum.	85 = Yes (21%) 314 = No (79%) 3 = No response
46. We have one or more paid part time staff at our school dedicated to supporting teachers to integrate technology into the curriculum.	103 = Yes (26%) 295 = No (74%) 4 = No response
47. We provide stipends to one or more school staff as a building technology expert to support teachers with technology integration.	92 = Yes (23%) 302 = No (77%) 8 = No response
48. We have staff in our building supporting teachers with technology integration who DO NOT receive specific compensation for this role.	191 = Yes (48%) 207 = No (52%) 4 = No response
49. Are the majority of support services in your school (i.e., hardware, applications, and curriculum integration) provided by the same	249 = Yes (63%) 149 = No (37%)

person?	4 = No response
50. If the tech coordinator for your school also serves in other capacities, what are those other positions (i.e., principal, teacher, library media specialist, etc.)?	188 schools have a school building tech coordinator who also serves in one or more of the following capacities: 12 = Principal or Ass't Principal 10 = Admin Assistant or Paraprofessional 11 = District Tech Director or Coordinator 1 = District Vocational Tech Director 46 = Media Specialist, Generalist, or Aide 83 = Full time Classroom Teacher 12 = Other positions (speech, guidance, nurse, etc.)

Technology Literacy

On 7/1/05, New Hampshire adopted a revised set of School Minimum Standards, including standards for Information and Communication Technologies (ICT) Literacy. Please tell us how your district currently addresses technology literacy instruction and assessment, so we can plan statewide efforts to best support you in adapting your programs to meet these standards. You can find more information about these standards at: http://www.nheon.org/oet/standards/ICTLiteracy.htm .

51. Do your students take a technology (ICT) literacy **course?**	136 = Yes (34%) 262 = No (66%) 4 = No response
52. If so, in which grades?	Kindergarten = 10 schools Grade 1 = 37 schools Grade 2 = 37 schools Grade 3 = 36 schools Grade 4 = 37 schools Grade 5 = 40 schools Grade 6 = 36 schools Grade 7 = 46 schools Grade 8 = 52 schools Grade 9 = 34 schools Grade 10 = 15 schools Grade 11 = 14 schools Grade 12 = 14 schools
53. What specific tech literacy program, assessment tool, or other set of materials has been implemented in your school? (This might include programs embedded within other content courses or used as materials in a specific ICT course.)	Number of schools using each: 209 = Created their own (52%) 11 = IT & Me program (2%) 3 = TechYes program (<1%) 8 = ISTE NETS-S Online Assess (2%) 5 = ICT Literacy Maps (1%) 2 = Discovery Computers 2007 1 = Type to Learn
54. If your school includes grade 8, do your students currently take an ICT literacy (tech literacy) **test** in 8th grade?	25 = Yes (19%) 108 = No (81%) 262 = Not applicable, no 8th grade here 7 = No response
55. If your school includes grade 8, do your students currently complete a **digital portfolio** of work in 8th grade?	20 = Yes (15%) 110 = No (85%) 266 = Not applicable, no 8th grade here 6 = No response
56. If your school includes grade 8, do you currently assess students' digital portfolios using an assessment rubric designed for 8th grade level?	11 = Yes (9%) 117 = No (91%) 266 = Not applicable, no 8th grade here 7 = No response
57. Do you currently engage students in **project based learning** related to ICT literacy	55 = Yes (43%) 74 = No (57%)

which is then used to assess their skills in 8th grade?	266 = Not applicable, no 8th grade here 7 = No response
58. Do you currently **embed** ICT literacy instruction into your curriculum documentation in various content areas?	117 = Yes (34%) 225 = No (66%) 60 = No response
59. If you are a high school, do you currently require students to complete a digital portfolio of work at any point in their high school experience?	10 = Yes (34%) 74 = No (66%) 297 = N/A, not a high school 21 = No response
60. If you are a high school, do you currently assess students' digital portfolios using an assessment rubric designed to be developmentally appropriate at the high school level?	12 = Yes (17%) 60 = No (83%) 297 = N/A, not a high school 33 = No response
61. Do you currently provide Internet safety training to students (i.e., NetSmartz, iSafe America, SafeKids, SafeTeens?) If so, what is the name of the program?	127 = Yes (32%) 264 = No (68%) 11 = No response Name of Program: 52 = NetSmartz 19 = iSafe America 35 = Created in-house program 3 = Disney Project Website 2 = SafeKids, SafeTeens 1 = 6th Grade Missing Simulation 1 = CyberSmart 1 = Media Awareness Network

Professional Development

Please consult with your principal and staff development coordinator to answer the following questions.

62. Do you currently provide Internet safety training to staff?	105 = Yes (26%) 292 = No (74%) 5 = No response
63. Based on the goals of your District Professional Development Master Plan, your most recent curriculum development efforts, and your school's state assessment results, what would you say are the top five topics of need for professional development?	These qualitative responses will be compiled within a separate report.
64. Does your school provide teachers with time during regular school hours for learning and professional development growth opportunities including the integration of technology?	273 = Yes (68%) 126 = No (32%) 3 = No response

Please help us understand the types of district-provided technology related professional development your teachers participated in during the previous academic year to meet the following (NETS-T) learning objectives.

* For your reference, there are Local Educational Support Centers in Penacook (Capital Area Center for Educational Support, Manchester (Greater Manchester Professional Development Center), Gorham (North Country Professional Development Center), Exeter (Seacoast Professional Development Center), Keene (Southwestern NH Educational Support Center), and Claremont (Sugar River Professional Development Center).

Percentages below indicate the number of schools using each type of professional development to meet the NETS-T objectives.

65. Increasing knowledge and skill of technology	346 = District on-site PD activities (86%) 196 = Local Educational Support Center activities* (49%) 89 = ConnectedU, TeacherLine, or other online (22%)

operations and concepts: (Check all that apply)	26 = MarcoPolo content and training (6%) 79 = Intel Training for the Future (20%) 182 = NHSTE Workshops (45%) 270 = McAuliffe Technology Conference (67%) 124 = NHPTV Knowledge Network (31%) 27 = Other (7%) Other types of PD being used included: 2 = TPSE training (laptop program) 3 = Atomic Learning 7 = Graduate courses 14 = Other conferences/workshops (i.e., NECC, etc.) 1 = Adobe GoLive
66. Planning and designing learning environments and experiences supported by technology (Check all that apply)	321 = District on-site PD activities (80%) 193 = Local Educational Support Center activities* (48%) 72 = ConnectedU, TeacherLine, or other online (18%) 24 = MarcoPolo content and training (6%) 74 = Intel Training for the Future (18%) 166 = NHSTE Workshops (41%) 243 = McAuliffe Technology Conference (60%) 108 = NHPTV Knowledge Network (27%) 29 = Other (7%)
67. Implementing curriculum plans with methods and strategies for applying technology (Check all that apply)	320 = District on-site PD activities (80%) 184 = Local Educational Support Center activities* (46%) 76 = ConnectedU, TeacherLine, or other online (19%) 16 = MarcoPolo content and training (4%) 71 = Intel Training for the Future (18%) 157 = NHSTE Workshops (39%) 234 = McAuliffe Technology Conference (58%) 101 = NHPTV Knowledge Network (25%) 32 = Other (8%)
68. Facilitating assessment and evaluation strategies with technology resources (Check all that apply)	305 = District on-site PD activities (76%) 151 = Local Educational Support Center activities* (38%) 40 = ConnectedU, TeacherLine, or other online (10%) 8 = MarcoPolo content and training (2%) 52 = Intel Training for the Future (13%) 119 = NHSTE Workshops (30%) 192 = McAuliffe Technology Conference (48%) 74 = NHPTV Knowledge Network (18%) 42 = Other (10%)
69. Enhancing productivity and professional practice with technology (Check all that apply)	337 = District on-site PD activities (84%) 168 = Local Educational Support Center activities* (42%) 61 = ConnectedU, TeacherLine, or other online (15%) 14 = MarcoPolo content and training (3%) 66 = Intel Training for the Future (16%) 148 = NHSTE Workshops (37%) 231 = McAuliffe Technology Conference (57%) 93 = NHPTV Knowledge Network (23%) 25 = Other (6%)
70. Applying social, ethical, legal, and human issues of technology use in practice (Check all that apply)	285 = District on-site PD activities (71%) 140 = Local Educational Support Center activities* (35%) 45 = ConnectedU, TeacherLine, or other online (11%) 8 = MarcoPolo content and training (2%) 48 = Intel Training for the Future (12%) 124 = NHSTE Workshops (31%) 189 = McAuliffe Technology Conference (47%) 65 = NHPTV Knowledge Network (16%) 20 = Other (5%)
Please indicate what approximate **percentage** of your teachers participated in training with	

each of the types of providers:	
71. District on-site PD	26 = Number of districts with no teachers participating (7%) 68 = Districts with < 25% of teachers participating (17%) 153 = Districts with many teachers participating (39%) 150 = Districts with most teachers participating 150 (38%)
72. Activities at Local Educational Support Centers	112 = Number of districts with no teachers participating (30%) 216 = Districts with < 25% of teachers participating (57%) 47 = Districts with many teachers participating (13%) 1 = Districts with most teachers participating 150 (0%)
73. Online courses such as ConnectedU, TeacherLine, Heinemann U, other online courses for credit	159 = Number of districts with no teachers participating (41%) 213 = Districts with < 25% of teachers participating (55%) 15 = Districts with many teachers participating (4%) 1 = Districts with most teachers participating 150 (0%)
74. MarcoPolo Content and Training	303 = Number of districts with no teachers participating (82%) 64 = Districts with < 25% of teachers participating (17%) 2 = Districts with many teachers participating (0.5%) 1 = Districts with most teachers participating 150 (0.5%)
75. Intel Training	282 = Number of districts with no teachers participating (73%) 91 = Districts with < 25% of teachers participating (24%) 9 = Districts with many teachers participating (2%) 2 = Districts with most teachers participating 150 (1%)
76. NHSTE or NHEMA Workshops	135 = Number of districts with no teachers participating (37%) 231 = Districts with < 25% of teachers participating (62%) 4 = Districts with many teachers participating (1%) 0 = Districts with most teachers participating 150 (0%)
77. McAuliffe Technology Conference	84 = Number of districts with no teachers participating (21%) 295 = Districts with < 25% of teachers participating (75%) 14 = Districts with many teachers participating (4%) 2 = Districts with most teachers participating 150 (0%)
78. NHPTV Knowledge Network	211 = Number of districts with no teachers participating (57%) 152 = Districts with < 25% of teachers participating (41%) 6 = Districts with many teachers participating (2%) 3 = Districts with most teachers participating 150 (1%)
79. Please tell us any additional information about school technology which you believe is important for the NH Department of Education to know. This might include new uses of tools that seem to be having an impact on student learning, such as iPods, science probes, or laptops used for specific content areas, how used, frequency of use, grade level, etc.	