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SCHOOL TECHNOLOGY SURVEY REPORT

DECEMBER 2016

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BROOKLYN BOROUGH PRESIDENT



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I. Introduction

Last year, my office launched our Code Brooklyn initiative, designed to bring computer science (CS) infrastructure and education to every Brooklyn school in the next seven years. We began with an ambitious goal of getting every Brooklyn school to take part in Code.org's Hour of Code during Computer Science Education Week in December. More than 400 district public schools, about 80 percent of such schools in Brooklyn, took part. Many of those schools participated in the Hour of Code for the first time and, amazingly, many students continue to use the free websites and practice coding on their own time.

More important than the beginning of any initiative is the follow-through. Following our initial engagement with schools, we asked them to fill out a technology survey that identified their existing technology infrastructure and computer science policies, in an effort to determine what is needed to bring full-time computer science to all of their students. This report outlines the results of that survey. More than one-third of schools contacted participated in the survey, providing a good overview to gauge where Brooklyn schools stand with respect to computer science readiness. It is critical to note that the numbers and statistics in this report are not an indictment of the schools themselves — they must work with what they have — but rather a message to all policy makers that we owe our students the tools and resources to engage the future. Ensuring that students have up-to-date equipment and instruction will be a constant challenge for New York City, but one we must undertake if we want our students, and our City, to thrive.

II. Data

We asked schools a series of questions designed to identify their technology strengths and weaknesses. Among other things, we asked for information on Wi-Fi reliability, the number of laptops and tablets available at each school, whether each school has an established computer science curriculum, and whether each school has designated teachers trained to teach computer science (see Appendix for a complete survey).

III. Measurement Criteria

In order to accurately identify where districts and schools stand with respect to technology availability and institutional support, we created a Wi-Fi graphic representation to measure the real-time status of schools' readiness. The categories measured are:

- Availability of equipment
- Existing infrastructure
- Existing curriculum coursework
- Professional development

Sufficient attainment in each category receives a Wi-Fi icon if they meet a minimum standard.

- For the equipment category, a school needs to have enough devices so that 50 percent of the students can have access to a device.¹
- For infrastructure, a school must rate their Wi-Fi at four or better for a full icon. A three receives a half an icon.
- For curriculum, a school must use an established computer science curriculum to receive a full icon.
- For teacher training, there must be a trained computer science teacher on staff to receive a full icon.

¹ See Brooklyn Borough President Eric L. Adams, Digital Learning (June 2016).

IV. Responses

Brooklyn:

Overall, 136 schools responded to the survey, representing approximately 100,000 Brooklyn students from across the borough at every grade level. Survey results indicated that there are sufficient laptops for about 20 percent of those students and enough tablets for about seven percent of Brooklyn students. Brooklyn schools as a whole rated their Wi-Fi access at 3.23 on a scale of one to five. Thirty percent of respondent schools use an established computer science curriculum, and 54 percent of school responses indicated the presence of a trained teacher who teaches or could teach computer science.

District (enrollment)	Laptops %	Tablets %	Wi-Fi 1-5	Established CS Curriculum	CS Teacher
Brooklyn (280,000 ±)	20%	7%	3.23	30%	54%
13 (22,010)	11%	5%	3.38	17%	50%
14 (19,995)	14%	8%	2.91	58%	75%
15 (32,630)	34%	9%	3.20	30%	70%
16 (7,687)	32%	7%	3.46	14%	36%
17 (24,497)	26%	8%	3.18	18%	45%
18 (16,991)	22%	6%	3.33	33%	56%
19 (24,062)	26%	11%	3.08	33%	58%
20 (52,932)	20%	8%	2.94	26%	63%
21 (36,565)	36%	8%	4.00	33%	44%
22 (35,775)	11%	5%	2.87	27%	53%
23 (9,952)	22%	2%	4.00	33%	33%
32 (13,104)	14%	2%	3.50	50%	50%

District 13: Bedford-Stuyvesant, Brooklyn Heights, Clinton Hill, Crown Heights, Downtown Brooklyn, DUMBO, Fort Greene, Gowanus, Park Slope, Prospect Heights, and Vinegar Hill

District 13 has a total enrollment of 22,010 students, of whom 4.2 percent are English Language Learners (ELLs) and 66.7 percent are living below the poverty line. The district has a 77.9 percent four-year (June) graduation rate.² One in ten District 13 students has experienced homelessness in the last five years.³

District 13 schools are below the borough average when it comes to laptops, with sufficient devices to reach 11 percent of their students at any given time, and below the borough average for tablets with sufficient devices to reach five percent of students. Their average Wi-Fi rating is above average at 3.38. There are established computer science curriculums in 17 percent of their schools, while 50 percent have trained computer science teachers. The schools that responded account for 10,300 students in the district.

²Enrollment, ELL, poverty, and graduation rate statistics for all districts are available at <http://schools.nyc.gov/AboutUs/schools/data/default.htm>.

³Homelessness data for all districts are available at: <http://www.icphusa.org/index.asp?page=16&report=142&pg=265>.

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	
PS 054 (230)	7	32	3	No	No	
PS 133 (691)	12	4	3	No	Yes	
PS 256 (300)	10	20	3/4	No	Yes	
PS 270 (141)	21	0	3	No	No	
PS 287 (200)	30	20	4	No	No	
PS/MS 282 (897)	3	3	2	No	Yes	
MS 113 (405)	7	3	3	No	Yes	
MS/HS 265 (454)	30	7	4	No	No	
MS/HS 527 (470)	47	21	4	No	No	
HS 419 (548)	4	0	1	Yes	Yes	
HS 430 (5600)	4	0	3	Yes	Yes	
HS 439 (364)	110	34	4	No	No	

District 14: Bushwick, East Williamsburg, Greenpoint, and Williamsburg

District 14 has a total enrollment of 19,995 students, of whom 10.5 percent are English Language Learners (ELLs) and 85.7 percent are living below the poverty line. The district has a 68.6 percent four-year (June) graduation rate. One in nine District 14 students has experienced homelessness in the last five years.

District 14 schools are below the borough average when it comes to laptops, with sufficient devices to reach 14 percent of their students at any given time, and above the borough average for tablets with sufficient devices to reach eight percent of students. Their average Wi-Fi rating is below average at 2.91. There are established computer science curriculums in 58 percent of their schools, while 75 percent have trained computer science teachers. Schools that responded account for 5,800 students in the district.

























School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	
PS 018 (198)	13	15	5	Yes	Yes	
PS 059 (318)	24	17	*	No	No	
PS 084 (748)	3	20	2	Yes	Yes	
PS 132 (700)	4	3	1	Yes	Yes	
PS 257 (678)	7	1	2	No	Yes	
PS 297 (248)	40	9	4	No	No	
PS 414 (585)	14	5	2	No	Yes	
MS 577 (506)	10	2	1	No	No	0
HS 454 (260)	38	12	4	Yes	Yes	
HS 474 (1000)	12	2	3	Yes	Yes	
HS 477 (502)	30	10	4	Yes	Yes	
HS 632 (115)	43	26	4	Yes	Yes	

* Denotes being upgraded

District 15: Boerum Hill, Brooklyn Heights, Carroll Gardens, Cobble Hill, Columbia Street Waterfront, Downtown Brooklyn, Fort Greene, Greenwood Heights, Park Slope, Red Hook, South Slope, Sunset Park, and Windsor Terrace

District 15 has a total enrollment of 32,630 students, of whom 15.9 percent are English Language Learners (ELLs) and 66.0 percent are living below the poverty line. The district has a 63.9 percent four-year (June) graduation rate. One in thirteen District 15 students has experienced homelessness in the last five years.








District 15 schools are above the borough average when it comes to laptops, with sufficient devices to reach 34 percent of their students at any given time, and above the borough average for tablets with sufficient devices to reach nine percent of students. Their average Wi-Fi rating is average at 3.2. There are established computer science curriculums in 30 percent of their schools, while 70 percent have trained computer science teachers. Schools that responded account for 9,100 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 001 (1281)	12	8	3	No	Yes	 
PS 015 (460)	17	7	3	Yes	Yes	  
PS 038 (550)	5	0	3	No	No	
PS 321 (1460)	3	2	2	Yes	Yes	 
MS 051 (1125)	4	0	3	No	No	
MS 088 (1278)	55	20	3	No	Yes	  
MS 821 (516)	68	14	3	No	Yes	  
HS 656 (970)	58	24	5	No	Yes	  
HS 667 (1320)	68	8	3	Yes	Yes	   
HS 698 (160)	169	0	4	No	No	 

District 16: Bedford-Stuyvesant and Crown Heights

District 16 has a total enrollment of 7,687 students, of whom 4.1 percent are English Language Learners (ELLs) and 85.5 percent are living below the poverty line. The district has a 48.8 percent four-year (June) graduation rate. One in five District 16 students has experienced homelessness in the last five years.

District 16 schools are above the borough average when it comes to laptops, with sufficient devices to reach 32 percent of their students at any given time, and at the borough average for tablets with sufficient devices to reach seven percent of students. Their average Wi-Fi rating is above average at 3.46. There are established computer science curriculums in 14 percent of their schools, while 36 percent have trained computer science teachers. Schools that responded account for 3,200 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 005 (230)	9	0	5	No	No	
PS 021 (610)	8	0	3	No	Yes	 
PS 040 (312)	10	0	3	Yes	Yes	  
PS 081 (330)	1	0	3	No	Yes	

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 243 (268)	4	7	4/5	No	No	
PS 309 (233)	129	11	4	No	No	
PS 627 (140)	18	11	2	No	No	0
PS 628 (221)	14	29	4	No	No	
MS 035 (165)	115	0	4	No	No	
MS 267 (185)	54	16	4	No	No	
MS 534 (87)	92	80	3	No	No	
MS 681 (172)	87	0	5	Yes	Yes	
HS 594 (200)	12	0	3	No	No	
HS 688 (135)	19	0	1	No	Yes	

District 17: Crown Heights, East Flatbush, Flatbush, and Prospect-Lefferts Gardens

District 17 has a total enrollment of 24,497 students, of whom 9.2 percent are English Language Learners (ELLs) and 83.1 percent are living below the poverty line. The district has a 65.6 percent four-year (June) graduation rate. One in seven District 17 students has experienced homelessness in the last five years.

District 17 schools are above the borough average when it comes to laptops, with sufficient devices to reach 26 percent of their students at any given time, and above the borough average for tablets with sufficient devices to reach eight percent of students. Their average Wi-Fi rating is below average at 3.18. There are established computer science curriculums in 18 percent of their schools, while 45 percent have trained computer science teachers. The schools that responded account for 4,900 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 092 (472)	42	0	4	No	Yes	
PS 316 (430)	17	0	4	No	No	
PS 770 (300)	8	3	3	No	No	
PS/MS 394 (590)	7	4	3	Yes	Yes	
MS 340 (204)	44	74	3	No	No	
MS 484 (150)	20	3	3	No	No	
MS 722 (266)	103	4	4	No	No	
MS/HS 533 (300)	10	5	2	No	No	0
HS 524 (414)	36	7	3	No	Yes	
HS 539 (425)	40	20	3	No	Yes	
HS 600 (1349)	15	4	3	Yes	Yes	

District 18: Canarsie and East Flatbush

District 18 has a total enrollment of 16,991 students, of whom 4.5 percent are English Language Learners (ELLs) and 79.3 percent are living below the poverty line. The district has a 58.1 percent four-year (June) graduation rate. One in nine District 18 students has experienced homelessness in the last five years.

District 18 schools are above the borough average when it comes to laptops, with sufficient devices to reach 22 percent of their students at any given time, and below the borough average for tablets with sufficient devices to reach

six percent of students. Their average Wi-Fi rating is above average at 3.33. There are established computer science curriculums in 33 percent of their schools, while 56 percent have trained computer science teachers. The schools that responded account for 5,100 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi 1-5	Established CS Curriculum	CS Teacher	Connectivity Level 0-4
PS 208 (439)	17	8	3	Yes	Yes	
PS 272 (500)	11	0	4	No	No	
PS/MS 066 (850)	21	13	2	No	Yes	
PS/MS 235 (1275)	3	0	4	No	No	
MS 211 (600)	33	3	4	No	No	
HS 563 (630)	16	11	3	Yes	Yes	
HS 578 (208)	72	24	3	No	Yes	
HS 589 (234)	26	11	4	Yes	Yes	
HS 633 (422)	71	0	3	No	No	

District 19: Cypress Hills and East New York

District 19 has a total enrollment of 24,062 students, of whom 11.4 percent are English Language Learners (ELLs) and 86.7 percent are living below the poverty line. The district has a 55.1 percent four-year (June) graduation rate. One in six District 19 students has experienced homelessness in the last five years.

District 19 schools are above the borough average when it comes to laptops, with sufficient devices to reach 26 percent of their students at any given time, and above the borough average for tablets with sufficient devices to reach 11 percent of students. Their average Wi-Fi rating is below average at 3.08. There are established computer science curriculums in 33 percent of their schools, while 58 percent have trained computer science teachers. The schools that responded account for 4,800 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi 1-5	Established CS Curriculum	CS Teacher	Connectivity Level 0-4
PS 158 (618)	15	5	3	No	Yes	
PS 213 (345)	7	17	1	Yes	Yes	
PS 273 (367)	10	34	4	No	No	
PS 290 (595)	5	16	2	No	Yes	
PS 325 (255)	16	16	3	No	No	
PS 328 (297)	67	7	4	Yes	Yes	
PS 345 (653)	8	0	2	No	Yes	
PS/MS 306 (585)	2	0	3	No	No	0
MS 218 (435)	120	2	4	No	No	

School (enrollment)	Laptops %	Tablets %	Wi-Fi 1-5	Established CS Curriculum	CS Teacher	Connectivity Level 0-4
MS 760 (204)	74	59	3	Yes	Yes	
HS 583 (200)	30	15	4	Yes	Yes	
HS 639 (330)	18	3	4	No	No	

District 20: Bath Beach, Bay Ridge, Bensonhurst, Borough Park, Dyker Heights, Kensington, and Sunset Park

District 20 has a total enrollment of 52,932 students, of whom 23.1 percent are English Language Learners (ELLs) and 78.9 percent are living below the poverty line. The district has a 68.4 percent four-year (June) graduation rate. One in fourteen District 20 students has experienced homelessness in the last five years.

District 20 schools are at the borough average when it comes to laptops, with sufficient devices to reach 20 percent of their students at any given time, and above the borough average for tablets with sufficient devices to reach eight percent of students. Their average Wi-Fi rating is below average at 2.94. There are established computer science curriculums in 26 percent of their schools, while 63 percent have trained computer science teachers. The schools that responded account for 23,900 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi 1-5	Established CS Curriculum	CS Teacher	Connectivity Level 0-4
PS 069 (850)	28	0	3	No	Yes	
PS 105 (1760)	35	7	#	No	Yes	
PS 127 (522)	17	0	3	No	No	
PS 176 (1417)	21	21	2	No	Yes	
PS 179 (973)	21	2	4	No	Yes	
PS 200 (1305)	11	4	4	Yes	Yes	
PS 205 (1182)	42	16	1	Yes	No	
PS 264 (495)	12	6	3	No	Yes	
PS 971 (373)	11	8	3	No	No	
PS/MS 104 (1235)	21	9	3	No	Yes	
PS/MS 163 (600)	30	13	3	No	No	
PS/MS 180 (1200)	44	4	3	No	No	
PS/MS 229 (1200)	22	0	4	No	Yes	
PS/MS 686 (518)	40	5	2	Yes	Yes	
MS 062 (1204)	21	5	3	No	Yes	
MS 187 (995)	15	30	3	Yes	Yes	
MS 227 (1290)	7	12	3	Yes	No	
HS 490 (4402)	10	5	2	No	No	0
HS 505 (3300)	5	5	4	No	Yes	

denotes no answer provided

District 21: Bensonhurst, Brighton Beach, Coney Island, Gravesend, Midwood, Sea Gate, and Sheepshead Bay

District 21 has a total enrollment of 36,565 students, of whom 15.2 percent are English Language Learners (ELLs) and 77.7 percent are living below the poverty line. The district has a 68.9 percent four-year (June) graduation rate. One in thirteen District 21 students has experienced homelessness in the last five years.

District 21 schools are above the borough average when it comes to laptops, with sufficient devices to reach 36 percent of their students at any given time, and above the borough average for tablets with sufficient devices to reach eight percent of students. Their average Wi-Fi rating is above average at 4.0. There are established computer science curriculums in 33 percent of their schools, while 44 percent have trained computer science teachers. The schools that responded account for 6,500 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 100 (750)	1	.5	3	Yes	Yes	
PS 101 (894)	34	22	4	No	No	
PS 128 (438)	28	7	4	No	Yes	
PS 216 (696)	39	17	3	No	No	
PS 253 (970)	28	5	5	No	No	
MS 096 (652)	37	5	5	No	No	
MS 228 (1367)	70	2	5	No	Yes	
HS 348 (303)	33	10	3	Yes	Yes	
HS 620 (525)	5	3	4	Yes	No	

District 22: Bergen Beach, Ditmas Park, East Flatbush, Flatbush, Flatlands, Georgetown, Gerritsen Beach, Manhattan Beach, Marine Park, Midwood, Mill Basin, and Sheepshead Bay

District 22 has a total enrollment of 35,775 students, of whom 9.6 percent are English Language Learners (ELLs) and 70.8 percent are living below the poverty line. The district has a 77.1 percent four-year (June) graduation rate. One in thirteen District 22 students has experienced homelessness in the last five years.

District 22 schools are below the borough average when it comes to laptops, with sufficient devices to reach 11 percent of their students at any given time, and below the borough average for tablets with sufficient devices to reach five percent of students. Their average Wi-Fi rating is below average at 2.87. There are established computer science curriculums in 27 percent of their schools, while 53 percent have trained computer science teachers. The schools that responded account for 18,400 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 139 (975)	10	0	4	No	No	
PS 152 (769)	19	10	3	No	No	
PS 193 (900)	1	.5	3	No	Yes	

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 195 (456)	26	1	3	No	No	
PS 236 (585)	5	5	3	No	No	
PS 254 (781)	12	0	3	Yes	Yes	
PS 255 (920)	12	10	2	No	No	0
PS/MS 109 (700)	7	7	2	No	Yes	
PS/MS 207 (1270)	8	2	3	No	No	
MS 014 (550)	9	5	3	No	Yes	
MS 234 (1993)	15	10	3	No	Yes	
MS 240 (835)	24	4	1	Yes	Yes	
HS 405 (3975)	1	6	4	Yes	Yes	
HS 425 (3400)	13	1	3	Yes	Yes	
HS 611 (330)	67	33	3	No	No	

District 23: Brownsville, Bushwick, East New York, and Ocean Hill

District 23 has a total enrollment of 9,952 students, of whom 4.5 percent are English Language Learners (ELLs) and 86.8 percent are living below the poverty line. The district has a 40.0 percent four-year (June) graduation rate. One in five District 23 students has experienced homelessness in the last five years.

District 23 schools are above the borough average when it comes to laptops, with sufficient devices to reach 22 percent of their students at any given time, and below the borough average for tablets with sufficient devices to reach .2 percent of students. Their average Wi-Fi rating is above average at 4.0. There are established computer science curriculums in 33 percent of their schools, while 33 percent have trained computer science teachers. The schools that responded account for 2,000 students in the district.







School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS/MS 041 (498)	30	0	4	Yes	Yes	
PS/MS 284 (544)	13	0	4	No	No	
MS 392 (300)	30	0	3	Yes	Yes	
MS 518 (193)	16	0	5	No	No	
MS 664 (114)	79	0	5	No	No	
MS/HS 697 (366)	5	1	3	No	No	

District 32: Bushwick

District 32 has a total enrollment of 13,104 students, of whom 18.2 percent are English Language Learners (ELLs) and 91.4 percent are living below the poverty line. The district has a 53.5 percent four-year (June) graduation rate.

One in six District 32 students has experienced homelessness in the last five years.

District 32 schools are below the borough average when it comes to laptops, with sufficient devices to reach 14 percent of their students at any given time, and below the borough average for tablets with sufficient devices to reach two percent of students. Their average Wi-Fi rating is above average at 3.5. There are established computer science curriculums in 50 percent of their schools, while 50 percent have trained computer science teachers. The schools that responded account for 3,100 students in the district.

School (enrollment)	Laptops %	Tablets %	Wi-Fi	Established CS	CS	Connectivity Level
			1-5	Curriculum	Teacher	0-4
PS 075 (442)	2	0	2	Yes	Yes	
PS 086 (412)	73	0	4	No	No	
PS 151 (326)	15	1	4	No	No	
PS/MS 384 (643)	1	0	4	No	No	
MS 383 (950)	6	6	3	Yes	Yes	
HS 552 (350)	6	0	4	Yes	Yes	

V. Recommendations and Conclusion

Although not every school responded to the survey, those that did provide an insightful view into a cross-section of Brooklyn’s schools from elementary to high school. The results clearly indicate that policy makers and elected officials must do more to ensure our schools are prepared to meet the goals of Mayor Bill de Blasio’s CS4ALL initiative, as well as prepared to provide the level of technology and instruction that is needed in a 21st century school.

Current City capital rules prohibit the purchase of tablets using Resolution A funding, putting City schools at a disadvantage for improving their technology infrastructure and availability. At a recent New York City Department of Education (DOE) hearing on the Smart School Bond Act, DOE representatives acknowledged an exception for purchasing tablets using this funding source.

To advance the goals of CS4ALL and address infrastructure challenges, I recommend the following key actions:

- DOE should actively encourage full participation of schools in Hour of Code.
- The New York City Office of Management and Budget (OMB) should make Resolution A funding available for the purchase of tablets.
- The New York State Legislature should pass A9557, a bill authorizing the commissioner of education to conduct a study regarding computer science curriculum within the state at all public and private schools offering instruction to kindergarten through 12th grade.
- The New York State Legislature should introduce legislation to create a teacher certification program for computer science.

Our efforts must reflect the importance of technology in our children’s futures and in the economy we are building. More than that, we also need to recognize the powerful tool that technology can be in the classroom. Our students should always be as close as possible to the cutting edge in their classrooms. We recognize the size and scope of that mandate, but a large-scale challenge is not insurmountable if our focus is on what is best for our students and our collective future.

Appendix A:

Code Brooklyn Computer Science Readiness Principal Survey

The following survey will help Brooklyn Borough President Eric L. Adams gauge the readiness of Brooklyn schools overall, and your school specifically, for computer science education. In particular, this survey is a critical tool to identify new ways in which the Brooklyn borough president can support you and connect you with resources.

(A reminder that February 7, 2016 is the deadline for Borough President Adams' Reso-A funding applications.)

**** PLEASE NOTE: THIS SURVEY IS INTENDED ONLY FOR SCHOOL PRINCIPALS ****

School Information:

What is the name of the school for which you are the principal? *Required

What is your school's ATS/DBN number?

(e.g., "13K282" for "PS/MS 282 Park Slope" starts with your school district number.)

What is your school's total enrollment? *Required

What is your name? *Required

What is your email address?

Infrastructure at your school

On a scale of 1-5, 5 being the best, how would you rate Wi-Fi at your school?

5 - Very Reliable

4

3

2

1

No Wi-Fi at Our School

Other:

How many working laptops do you have at your school?

How many working tablets do you have at your school?

Are there any hardware and/or equipment issues that you think we should know about at your school?

Do you have wireless Internet? Do you have a way for non-DOE employees to access the network?

Does your school have a responsible use policy for the network and computers? *Required

Yes

No

Don't Know

Other:

Computer Science Curriculum:

Is your school part of the Software Engineering Pilot (SEP)? *Required

Yes

No

Is your school part of the iZone?

Yes

No

Does your school use established computer science curricula to teach computer science? *Required
(Examples include Advanced Placement Computer Science, Exploring Computer Science, etc.)

Yes

No - We offer computer science but do not use an established existing curriculum

N/A – We do not offer computer science yet at our school

Other:

What type of computer science or coding programs, if any, is your school presently doing?

If you have computer science/coding at your school, which students take it?

Community Engagement and External Support:

Does your School Leadership Team and/or your PTA/PTO/PA help with Reso-A applications? *Required

Yes

No

N/A - Never Applied for Reso-A

Other:

Other than Hour of Code Week, does your school have volunteers and/or professionals come in to talk about computer science, coding, and/or software engineering to your students? *Required

Yes

No

Other:

Has your school ever hosted events related to computer science?

Examples include hackathons, adult education about computer science, weekend teacher CS professional development, etc. *Required

Yes

No

Computer Science Professional Development:

How many teachers at your school have been trained to teach computer science?

Optionally, list the curricula in which they were trained (e.g., Exploring Computer Science, Code.org, etc.)

Are there any teachers at your school who we should contact about specific computer science professional development (PD) opportunities and PD funding/scholarships?

Please include name(s) and email(s), if you have. Also, feel free to list types of PD opportunities that you think are most needed.

Appendix B:

District 13:

Responded:

PS 054
PS 133
PS 256
PS 270
PS 287
PS/MS 282
MS 113
MS/HS 265
MS/HS 527
Science Skills Ctr. HS
Brooklyn Tech HS
Brooklyn International HS

Did Not Respond:

PS 003
PS 008
PS 009
PS 011
PS 020
PS 044
PS 046
PS 056
PS 067
PS 093
PS 282
PS 305
PS 307
MS 266
Satellite East MS
Satellite West MS
MS 596
MS 691
Urban Assembly HS - Music/Art
Urban Assembly Unison
Brooklyn Community HS
Urban Assembly Law and Justice
Academy of Arts and Letters
Acorn Community HS
Brooklyn Academy HS
Bedford Stuyvesant Preparatory HS
Bedford Academy HS
George Westinghouse CTE HS
Brooklyn HS for Leadership
Benjamin Banneker Academy
City Polytech HS

District 14:

Responded:

PS 018
PS 059
PS 084
PS 132
PS 257
PS 297
PS 414
MS 577
Green School HS
PROGRESS HS
School for Legal Studies HS
Frances Perkins Academy

Did Not Respond:

PS 016
PS 017
PS 023
PS 031
PS 034
PS 050
PS 110
PS 120
PS 147
PS 196
PS 250
PS 319
PS 380
PS/IS 157
MS 126
IS 318
School for Urban Environment (MS)
MS 582
Juan Morel Campos (MS/HS)
Lyons Community School (MS/HS)
Young Women's Leadership (MS/HS)
Automotive HS
Brooklyn Latin HS
Brooklyn Preparatory HS
El Puente Academy – Peace and Justice
Foundations Academy HS
HS for Business, Enterprise, and Tech
Williamsburg HS - Architecture and Design

District 15:

Responded:

PS 001
PS 015
PS 038
PS 321
MS 051
MS 088
MS 821
HS 656
HS 667
HS 698

Did Not Respond:

PS 010
PS 024
PS 029
PS 032
PS 039
PS 058
PS 094
PS 107
PS 118
PS 124
PS 130
PS 131
PS 146
PS 154
PS 169
PS 172
PS 230
PS 261
PS 295
PS 516
PS 676
IS 136
MS 442
New Voices Academic/Creative Arts
MS 447
Park Slope Collegiate (MS/HS)
School for International Studies (MS/HS)
Secondary School-Collab. Studies (MS/HS)
Brooklyn Frontiers HS
Brooklyn School for Global Studies
Cobble Hill School of American Studies
Khalil Gibran International Academy
Millennium Brooklyn HS
Secondary School for Journalism
Secondary School for Law
West Brooklyn Community HS

District 16:

Responded:

PS 005
PS 021
PS 040
PS 081
PS 243
PS 309
PS 627
PS 628
MS 035
MS 267
MS 534
MS 681
HS 594
HS 688

Did Not Respond:

PS 025
PS 026
PS 028
PS 262
PS 308
PS 335
PS 636
MS 057
MS 385
MS 584
Boys and Girls HS
Brooklyn HS for Law and Technology
Frederick Douglass Academy IV
Nelson Mandela High School
New Eagle Academy at K455
Research and Service High School

District 17:

Responded:

PS 092
PS 316
PS 770
PS/MS 394
MS 340
MS 484
MS 722
MS/HS 533
International HS at Prospect Heights
HS for Service & Learning
Clara Barton HS

Did Not Respond:

PS 006
PS 012
PS 091
PS 138
PS 161
PS 167
PS 181
PS 189
PS 191
PS 221
PS 241
PS 246
PS 249
PS 289
PS 375
PS 397
PS 398
PS 399
PS 532
PS 705
MS 06
Parkside Preparatory Academy
MS 334
MS 352
MS 353
MS 354
MS/HS 382
MS/HS 531
MS/HS 590
Academy for Health Careers
Academy of Hospitality & Tourism
Brooklyn Academy-Science & Environment
Brooklyn Institute for Liberal Arts
Brooklyn School for Music & Theatre
Brownsville Academy High School
HS for Global Citizenship
HS for Public Service
HS for Youth & Community Development
Pathways in Technology Early College HS
Science, Technology, and Research HS
W.E.B. Dubois Academic HS

District 18:

Responded:

PS 208
PS 272
PS/MS 066
PS/MS 235
MS 211
It Takes a Village Academy
Brooklyn Bridge Academy
Arts & Media Preparatory Academy
HS for Medical Professions

Did Not Respond:

PS 114
PS 115
PS 135
PS 219
PS 233
PS 244
PS 268
PS 276
PS 279
IS 068
IS 285
MS 366
MS 581
MS 588
MS 598
MS 763
Academy for Conservation & Environment
Brooklyn Generation School
Brooklyn Theatre Arts HS
Cultural Academy for the Arts & Sciences
East Brooklyn Community HS
HS for Innovation in Advertising & Media
Kurt Hahn Expeditionary Learning School
Olympus Academy
Urban Action Academy
Victory Collegiate HS

District 19:

Responded:

PS 158
PS 213
PS 273
PS 290
PS 325
PS 328
PS 345
PS/MS 306
MS 218
MS 760
Multicultural HS
Brooklyn Lab School

Did Not Respond:

PS 007
PS 013
PS 065
PS 089
PS 108
PS 149
PS 174
PS 190
PS 202
PS 214
PS 224
PS 346
PS 557
PS 677
IS 171
MS 292
MS 311
IS 364
MS 452
MS 654
MS 661
MS 662
MS 663
MS 678
Academy for Young Writers
East New York Family Academy
Spring Creek Community School
Academy of Innovative Technology
Cypress Hills Collegiate Preparatory School
FDNY HS for Fire & Life Safety
HS for Civil Rights
Performing Arts & Technology HS
The School for Classics
Transit Tech CTE HS
Urban Assembly-Collaborative Healthcare
W.H. Maxwell CTE HS
World Academy for Total Community Health

District 20:

Responded:

PS 069
PS 105
PS 127
PS 176
PS 179
PS 200
PS 205
PS 264
PS 971
PS/MS 104
PS/MS 163
PS/MS 180
PS/MS 229
PS/MS 686

Did Not Respond:

PS 048
PS 102
PS 112
PS 160
PS 164
PS 170
PS 185
PS 186
PS 192
PS 204
PS 229
PS 247
PS 310
PS 503
MS 223
MS 259
MS/HS 609
New Utrecht HS
HS of Telecom Arts & Technology

MS 062
MS 187
MS 227
Fort Hamilton HS
FDR HS

PS 506
PS 682
PS 748
PS/IS 030
MS 201

District 21:

Responded:

PS 100
PS 101
PS 128
PS 216
PS 253
IS 096
IS 228
HS for Sports Management
William E. Grady CTE HS

Did Not Respond:

PS 090	PS 329
PS 095	IS 098
PS 097	IS 239
PS 099	IS 281
PS 121	IS 303
PS 153	Brooklyn Studio Secondary School
PS 177	Kingsborough Early College School
PS 188	Abraham Lincoln HS
PS 199	Edward R. Murrow HS
PS 209	Expeditionary Learning School
PS 212	International HS at Lafayette
PS 215	John Dewey HS
PS 225	Liberation Diploma Plus
PS 226	Life Academy HS for Film & Music
PS 238	Rachel Carson HS for Coastal Studies
PS 288	

District 22:

Responded:

PS 139
PS 152
PS 193
PS 195
PS 236
PS 254
PS 255
PS/MS 109
PS/MS 207
MS 014
MS 234

Did Not Respond:

PS 052	PS 315
PS 119	PS 326
PS 134	PS 361
PS 194	MS 078
PS 197	MS 278
PS 198	IS 381
PS 203	Brooklyn College Academy
PS 206	Leon M. Goldstein HS for the Sciences
PS 217	Professional Pathways HS
PS 222	Sheepshead Bay HS
PS 245	

MS 240
Midwood HS
James Madison HS
Origins HS

PS 251
PS 269
PS 277
PS 312

District 23:

Responded:

PS/MS 041
PS/MS 284
IS 392
MS 518
MS 664
Teachers Preparatory HS

Did Not Respond:

PS 073
PS 150
PS 156
PS 165
PS 178
PS 184
PS 298
PS 327
PS 401
PS 446
PS 599
PS/IS 137
PS/IS 155
PS/IS 323
MS 363
MS 522
MS 668
MS 671
MS/HS 644
Aspirations Diploma Plus HS
Brooklyn Collegiate HS
Brooklyn Democracy Academy HS
Frederick Douglass Academy VII HS
Metropolitan Diploma Plus HS

District 32:

Responded:

PS 075
PS 086
PS 151
PS/IS 384
Academy of Urban Planning HS

Did Not Respond:

PS 106
PS 116
PS 123
PS 145
PS 274
PS 299
PS 376
PS 377
PS/IS 045
MS 162
MS 291
IS 347
IS 349
MS 383
MS 562
MS/HS 554
Academy for Environmental Leadership
Brooklyn School for Math & Research
Bushwick Community HS
Bushwick Leaders HS Academic Excellence
Bushwick School for Social Justice
EBC HS for Public Service – Bushwick