

# Technology and Digital Learning



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## TECHNOLOGY AND DIGITAL LEARNING

The 2019-20 operating budget request for Digital Technology Services remains proportionately static with adjustments in vendor pricing for our critical infrastructure, software upgrades and technology related enterprise tools. We continue to enhance our network security efforts and project some subtle increases in areas of staff training and professional learning with regard to Cyber Security, general technology and network support.

On the capital side of the budget, we plan to replace aged out laptops with a more affordable and increasingly robust Chromebook model at all levels. Doing so will provide a welcome device refresh in areas of Science, World Language and Math at Saxe Middle School. Adding a cart of Chromebooks per Elementary school will also create device equity amongst the lower levels. Additionally we look to broaden our digital signage footprint at each building with updated screens and a common software to greater support NCPS community messaging.

At this time we are very close to a 1:1 classroom to access point (WAP wireless access point) ratio, and plan to finish our roll out of that endeavor in 2019-20. This will help to facilitate stronger standardized testing modules and a denser signal strength for our growing mobile technology inventory. An upgrade to our network firewall will assist in supporting future growth from an infrastructure capacity.

As we look ahead its important to address our aging PC inventory and Classroom projector inventory as we strive to discover the “classroom presentation station of the future”. 2019-20 will be our 2nd year in a several year growth period for this venture. Where this current year has been our “pilot year” allowing us to research new presentation models and their benefits to current curricular need, 2019-20 will compound upon that with a more decisive and focused approach; plotting to where the new models will fit and at what levels they will be used most appropriately.

We continue to coordinate between Digital Learning/ICT on the best use of our inventory and MDM device management tools in order to maintain, distribute and manage all of the mobile and stationary applications and technologies in use around the district.

The Digital Learning portion of the technology budget focuses on securing resources in the form of software, web-based instructional programs, and applications that support teaching and learning across the district. When considering new resources, prospective software is reviewed by educators, curriculum leaders and technology integrators. All digital resources that are purchased are carefully reviewed to ensure that they closely align with our instructional mission, and also comply with strict data privacy expectations in order to ensure the safety of our students’ digital information.

The Digital Learning Department is pursuing new technology in support of New Canaan Public Schools’ goals. Specifically, new proposals align with the objective, “*All students will graduate with the technological knowledge and skills to succeed in a dynamic and complex global society*”. Resources such as a Learning Management System (LMS) will provide more robust opportunities for communication and collaboration between students, teachers and families. Other resources will provide further opportunities for teachers to personalize learning

for students at all levels, and support innovative new courses that have been developed at New Canaan High School.

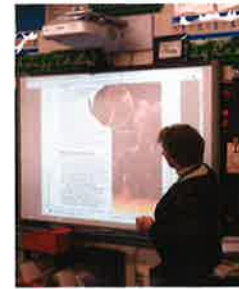
In summary, the technology budget request for the 2019-20 year is focuses on the continued leveraging of resources, software, hardware and personnel to effectively and efficiently meet the support and operational needs of a school system fully committed to preparing students for success in a technology-rich world.



**TECHNOLOGY & DIGITAL LEARNING  
STAFFING PLAN**

**Pre-Kindergarten - Grade 12**

	<u>2018-19</u> <i>Actual</i>	<u>2019-20</u> <i>Projected</i>	<u>Change</u>
<b><u>Certified Staff</u></b>			
<b>Administrators</b>			
Director of Digital Learning	1.00	1.00	0.00
<b>Total Certified Staff</b>	<b><u>1.00</u></b>	<b><u>1.00</u></b>	<b><u>0.00</u></b>
<b><u>Non-Certified Staff</u></b>			
<b>Supervision/Management</b>			
Manager of Network Services	1.00	1.00	0.00
Manager of End User Services	1.00	1.00	0.00
	<b><u>2.00</u></b>	<b><u>2.00</u></b>	<b><u>0.00</u></b>
<b>Network Administration</b>			
Network Technicians	2.00	2.00	0.00
<b>Data Support Staff</b>			
Data Systems Manager	1.00	1.00	0.00
District Registrar & Data Specialist	1.00	1.00	0.00
ICT Support & Data Specialist	1.00	1.00	0.00
<b>Total Data Support</b>	<b><u>3.00</u></b>	<b><u>3.00</u></b>	<b><u>0.00</u></b>
<b>School-Based Technical Support Services</b>			
Technology Support Specialist	1.00	1.00	0.00
TV Studio Technician	1.00	1.00	0.00
User Support Technician NCHS	1.00	1.00	0.00
User Support Technician Saxe	2.00	2.00	0.00
User Support Technician Elementary	1.00	1.00	0.00
<b>Total School-Based Technical Support</b>	<b><u>6.00</u></b>	<b><u>6.00</u></b>	<b><u>0.00</u></b>
<b>Document Reproduction Services</b>			
Document Reproduction Coordinator	1.00	1.00	0.00
Document Reproduction Center Support Staff	1.73	1.73	0.00
	<b><u>2.73</u></b>	<b><u>2.73</u></b>	<b><u>0.00</u></b>
<b>Total Non-Certified Staff</b>	<b><u>15.73</u></b>	<b><u>15.73</u></b>	<b><u>0.00</u></b>
<b>TOTAL STAFFING PLAN</b>	<b><u>16.73</u></b>	<b><u>16.73</u></b>	<b><u>0.00</u></b>



## TECHNOLOGY & DIGITAL LEARNING

*New Canaan Public Schools, New Canaan, CT*

	2018 Actual	2019 Budget	2019 Projected	2020 Proposed	\$ Differ. to Projected	% Differ. to Projected
<b><u>OBJECT BUDGET SUMMARY</u></b>						
<b>Salaries</b>						
Administrator	167,957	171,717	171,717	175,562	3,845	2.19%
TOTAL CERTIFIED	167,957	171,717	171,717	175,562	3,845	2.19%
Managers	103,304	103,304	182,113	185,000	2,887	1.56%
Non-Represented Staff	711,379	815,712	695,195	731,286	36,091	4.94%
Administrative Support	0	0	26,516	27,338	822	3.01%
Teaching Assistant	0	0	36,167	36,890	723	1.96%
Temporary Help	23,163	23,388	23,388	23,388	0	0.00%
TOTAL NON-CERTIFIED	837,846	942,404	963,379	1,003,902	40,523	4.04%
<b>TOTAL SALARIES</b>	1,005,803	1,114,121	1,135,096	1,179,464	44,368	3.76%
<b>Non-Salary Objects</b>						
Other Professional Services	12,525	15,500	15,500	16,000	500	3.13%
Staff Training	1,672	5,500	3,500	3,500	0	0.00%
Outsourced Services	382,015	195,277	87,175	109,675	22,500	20.52%
Printing/Binding	0	0	3,480	3,480	0	0.00%
Repairs-Non-Instruct. Equipment	44,582	47,000	45,000	45,000	0	0.00%
Software Support	447,765	418,033	400,304	378,736	-21,568	-5.69%
Software Licensing	384,764	453,961	457,060	475,523	18,463	3.88%
Wide-Area Network Fees	144,960	172,356	172,356	172,356	0	0.00%
Technical Support	93,292	106,345	118,200	142,098	23,898	16.82%
Telephone	50,963	45,200	58,500	60,000	1,500	2.50%
Bldg. Prof. Devel. Expense	5,048	9,863	9,500	9,500	0	0.00%
Conferences/Travel	8,598	12,100	12,100	10,500	-1,600	-15.24%
Mileage & Travel Allowance	2,746	3,400	3,600	3,600	0	0.00%
Instructional Supplies	2,201	1,750	1,750	1,750	0	0.00%
Office Supplies	481	500	16,000	16,000	0	0.00%
Computer Supplies	16,490	16,500	16,500	16,500	0	0.00%
Technology Supplies	149,227	156,184	131,447	131,447	0	0.00%
Professional Books	644	500	500	500	0	0.00%
Equipment	0	0	9,332	0	-9,332	-100.00%
Dues/Fees/Subscriptions/Other	4,960	5,975	5,975	7,475	1,500	20.07%
<b>TOTAL NON-SALARY</b>	1,752,932	1,665,944	1,567,779	1,603,640	35,861	2.24%
<b>TOTAL BUDGET</b>	2,758,735	2,780,065	2,702,875	2,783,104	80,229	2.88%