

TECHNOLOGY & DIGITAL LEARNING

District Technology Services (DTS) and Digital Learning (DL) continue to work together to provide efficient and effective technology and academic support services that enhance teaching, learning and administrative computing throughout the district.

The 2017-2018 budget request for Digital Technology Services addresses hardware, software, and support needs for the educational community in order to provide the high value services expected and required for NCPS to provide an excellent K-12 learning environment. In 2016-17, the BYOD program debuted at the high school and our efforts to expand wireless coverage and support for teachers successfully contributed to help the program get off to a good start. A major component of the capital lease provided teachers at the high school with mobile devices for teaching, and additional resources were dedicated to improving classroom audiovisual equipment. Additionally, cart-based equipment was provided at the elementary level as they continue to successfully introduce technology to our earliest learners in positive and productive ways.

To help manage the many devices throughout the district, we introduced a mobile device manager (MDM) in 2016; this success of this program has led us to look to increase its footprint to all our mobile devices (Apple iOS, Chromebooks and PC laptops) in the coming year, which is reflected in the operational budget. We are also transferring several system software maintenance packages to the DTS budget for clarity, efficiency and vendor support and management (HVAC, Security support, Entry systems, etc.). Operational costs for DTS have increased slightly in other areas such as server support and new software initiatives, but were offset by some reductions in maintenance costs. A major initiative at Saxe is underway for next year that will put technology at the students' and teachers' fingertips in humanities classrooms as well.

In 2017-18, the budget request for Digital Learning addresses software that supports instruction in all curriculum areas, K-12. Our goal is to allocate and align digital resources to support learning across the district. Teachers and students continue to use a wide variety of software applications to support their learning. As with any instructional resource, we continue to ensure that the software we select meets our rigorous learning standards, and complements the instruction that teachers design. This year, we have developed an evaluation process for all resources used in New Canaan to meet specific student data privacy standards and to ensure that all student information stored in a digital manner is secured according to protocol. In addition, a role of the the Digital Learning department is to investigate opportunities where technology can support rigorous, creative and innovative learning. To this end, we are pursuing several initiatives related to virtual reality learning and collaborative learning spaces in our schools.

This year, we see an opportunity to provide more consistent, supervised student access to technology at the middle school through a thoughtful redistribution of existing laptops and iPads, along with a modest investment in new devices. Students' use of laptop devices continues to increase with the incorporation of digital citizenship lessons and the increased use of software resources for research, personal productivity, collaboration, and presentation purposes. The result of this initiative will be to provide a more consistent distribution of laptops and resources across all core classrooms, 5-8, and to eliminate the need to move sets of devices between classes for learning and/or testing purposes.

The technology budget documentation details the department's requests, underlines the consolidation of all system software and hardware systems under DTS and highlights the capital improvement in the middle school to support focused, direct learning with the appropriate technology as outlined by Digital Learning and the educational administration team.

In summary, the technology budget request for the 2017-2018 year is focused 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 today's, and tomorrow's, technology-rich world.



**TECHNOLOGY & DIGITAL LEARNING
STAFFING PLAN**

Pre-Kindergarten - Grade 12

	<u>2016-17</u> <i>Actual</i>	<u>2017-18</u> <i>Adopted</i>	<u>Change</u>
<u>Certified Staff</u>			
Administrators			
Director of Digital Learning	1.00	1.00	0.00
Total Certified Staff	<u>1.00</u>	<u>1.00</u>	<u>0.00</u>
<u>Non-Certified Staff</u>			
Supervision/Management			
Technical Services Manager	1.00	1.00	0.00
Network Administration			
Network Manager	1.00	1.00	0.00
Network Technicians	2.00	2.00	0.00
Total Network Administration	<u>3.00</u>	<u>3.00</u>	<u>0.00</u>
Data Support Staff			
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
Total Data Support	<u>3.00</u>	<u>3.00</u>	<u>0.00</u>
School-Based Technical Support Services			
User Support Coordinator	1.00	1.00	0.00
TV Studio Technician	1.00	1.00	0.00
User Support Technician NCHS	2.00	2.00	0.00
User Support Technician Saxe	1.00	1.00	0.00
User Support Technician Elementary	1.00	1.00	0.00
Total School-Based Technical Support	<u>6.00</u>	<u>6.00</u>	<u>0.00</u>
Total Non-Certified Staff	<u>13.00</u>	<u>13.00</u>	<u>0.00</u>
TOTAL STAFFING PLAN	14.00	14.00	0.00



TECHNOLOGY & DIGITAL LEARNING

New Canaan Public Schools, New Canaan, CT

	2016 Actual	2017 Budget	2017 Projected	2018 Adopted	\$ Differ. to Projected	% Differ. to Projected
<u>OBJECT BUDGET SUMMARY</u>						
Salaries						
Administrator	137,732	164,180	164,180	167,857	3,677	2.24%
TOTAL CERTIFIED	137,732	164,180	164,180	167,857	3,677	2.24%
Manager	98,088	101,031	101,031	101,031	0	0.00%
Administrative Support	0	25,928	0	0	0	0.00%
Non-Represented Staff	658,169	686,658	700,724	705,849	5,125	0.73%
Temporary Help	36,275	25,000	17,500	17,500	0	0.00%
Overtime	0	6,500	0	0	0	0.00%
TOTAL NON-CERTIFIED	792,533	845,117	819,255	824,380	5,125	0.63%
TOTAL SALARIES	930,264	1,009,297	983,435	992,237	8,802	0.90%
Non-Salary Objects						
Other Professional Services	7,995	7,995	7,995	12,500	4,505	56.35%
Staff Training	0	2,500	2,500	2,500	0	0.00%
Outsourced Services	427,244	390,000	400,000	400,000	0	0.00%
Repairs-Non-Instruct. Equipment	27,785	44,000	44,000	47,000	3,000	6.82%
Software Support	480,908	389,958	394,758	412,198	17,440	4.42%
Software Licensing	199,383	310,782	361,332	407,148	45,816	12.68%
Other Software	3,735	0	0	0	0	0.00%
Wide-Area Network Fees	144,376	135,960	135,960	159,556	23,596	17.36%
Technical Support	46,400	55,811	55,811	74,985	19,174	34.36%
Telephone	73,698	96,400	80,600	47,000	-33,600	-41.69%
Bldg. Prof. Devel. Expense	1,707	10,000	10,000	10,000	0	0.00%
Conferences/Travel	6,219	10,500	10,000	10,000	0	0.00%
Mileage & Travel Allowance	2,096	3,600	3,600	3,600	0	0.00%
Instructional Supplies	963	1,500	1,500	1,750	250	16.67%
Office Supplies	148	500	500	500	0	0.00%
Computer Supplies	14,031	18,500	18,500	14,000	-4,500	-24.32%
Technology Equip. Supplies	210,177	257,400	257,400	238,917	-18,483	-7.18%
Other Purchases	488	1,500	1,000	0	-1,000	-100.00%
Professional Books	999	1,500	1,500	1,550	50	3.33%
Equipment	12,519	0	0	0	0	0.00%
Dues/Fees/Subscriptions/Other	1,886	4,200	5,560	6,765	1,205	21.67%
TOTAL NON-SALARY	1,662,758	1,742,606	1,792,515	1,849,969	57,454	3.21%
TOTAL BUDGET	2,593,022	2,751,903	2,775,950	2,842,206	66,256	2.39%