

## Selected Indicators – Needham Comparable Communities

Demographic	2019		2020 Students				2019 NextGen MCAS					2019 NextGen MCAS			
Grade			All Grades				Grades 3-8					Grade 10			
Category							% Meet or Exceed Expectations			Avg SGP		% Meet or Exceed Expectations		Avg SGP	
Org Name	\$/In-district Pupil	Relative District Wealth*	Total Enrollment	Eco Dis %	SWD %	EL %	ELA	Math	Sci	ELA	Math	ELA	Math	ELA	Math
Brookline	\$19,849	182%	7,777	9.2%	16.3%	11.0%	76%	73%	69%	57.9	59.5	83%	83%	50.6	47.8
Concord	\$19,842	176%	2,065	6.6%	18.1%	2.9%	76%	73%	71%	49.6	47.8				
Concord-Carlisle	\$20,758	169%	1,280	5.9%	19.2%	0.6%						86%	88%	55.8	62.6
Dedham	\$19,501	122%	2,736	21.8%	22.1%	7.2%	51%	53%	47%	49.2	49.9	57%	71%	42.6	51.4
Dover	\$18,895	242%	490	1.4%	14.6%	5.1%	85%	86%	84%	62.6	60.2				
Dover-Sherborn	\$20,962	208%	1,204	3.3%	17.2%	0.5%	77%	77%	81%	45.6	49.2	89%	91%	54.7	56.4
Framingham	\$18,385	57%	9,088	38.8%	21.8%	25.1%	40%	37%	34%	50.6	52.9	59%	63%	52.9	60.2
Holliston	\$13,561	72%	2,910	6.9%	16.2%	2.2%	62%	60%	65%	45.6	50.9	73%	82%	45.9	58.8
Hopkinton	\$14,572	86%	3,862	5.4%	12.2%	6.2%	80%	79%	71%	55.4	58.4	84%	88%	44.1	42.9
Lexington	\$17,340	116%	7,190	5.4%	14.4%	8.8%	79%	82%	78%	56.4	61.5	90%	94%	53.0	50.1
Medfield	\$16,013	106%	2,601	5.0%	12.7%	0.7%	75%	71%	69%	52.3	51.4	79%	83%	52.1	69.7
Natick	\$15,193	101%	5,529	9.3%	15.4%	3.4%	68%	66%	61%	54.1	55.4	77%	79%	43.8	49.4
Needham	\$17,883	140%	5,706	5.6%	17.3%	3.0%	76%	73%	70%	59.2	56.9	84%	88%	50.2	55.7
Newton	\$19,297	191%	12,779	8.6%	18.0%	6.0%	73%	73%	66%	58.0	57.9	78%	84%	48.3	59.2
Norwood	\$16,031	90%	3,490	27.0%	20.7%	12.5%	52%	51%	45%	46.6	46.9	64%	64%	59.7	59.5
Sherborn	\$18,945	164%	413	4.4%	15.9%	3.1%	76%	77%	78%	58.9	58.1				
Walpole	\$15,690	90%	3,679	10.6%	14.6%	3.6%	67%	65%	65%	51.0	51.0	67%	62%	46.1	40.2
Wayland	\$18,726	161%	2,707	4.9%	18.3%	3.1%	77%	77%	74%	56.5	54.1	87%	87%	47.2	43.4
Wellesley	\$19,734	230%	4,862	5.2%	16.6%	2.0%	79%	75%	73%	54.2	53.7	85%	89%	48.4	65.1
Weston	\$24,972	345%	2,039	5.4%	17.6%	3.2%	83%	81%	78%	59.1	59.1	88%	87%	63.2	55.2
Westwood	\$18,879	131%	3,000	5.0%	18.2%	0.9%	77%	76%	76%	51.4	55.1	84%	89%	53.8	64.5
Winchester	\$14,013	125%	4,678	5.0%	16.6%	2.6%	81%	79%	78%	54.6	50.0	85%	86%	48.3	56.4

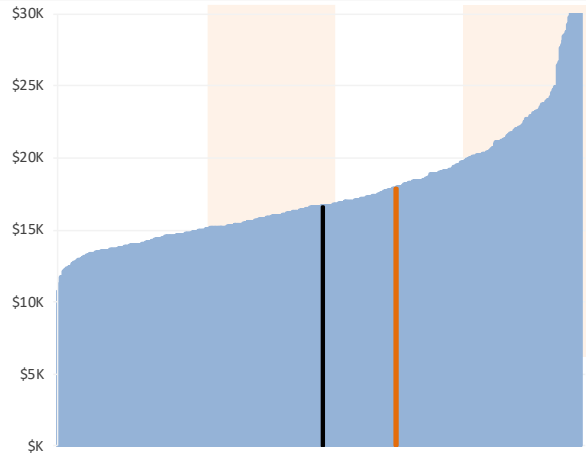
Eco Dis %: Percent economically disadvantaged

SWD %: Percent students with disabilities

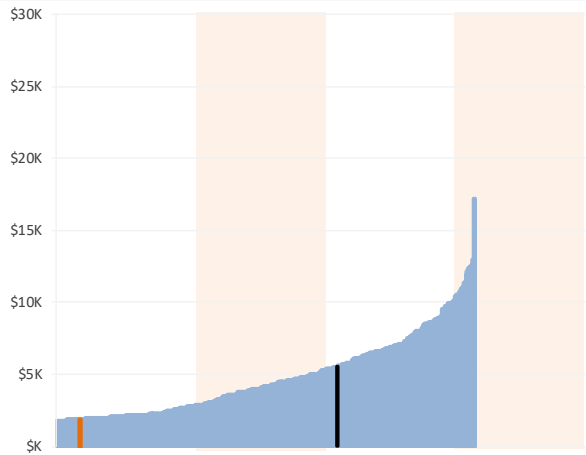
EL %: Percent of English Learners

# Selected Indicators – Needham Source of Funds

## 2019 Expenditure Per In-district Pupil

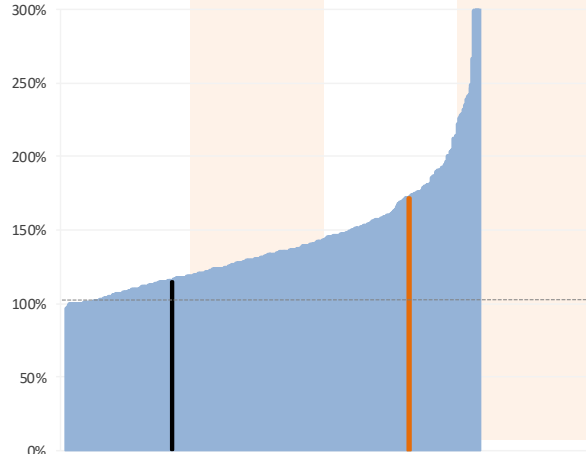


## 2019 Chapter 70 Aid per F'ndation Enrollment



\* Charter schools do not receive Chapter 70 funds

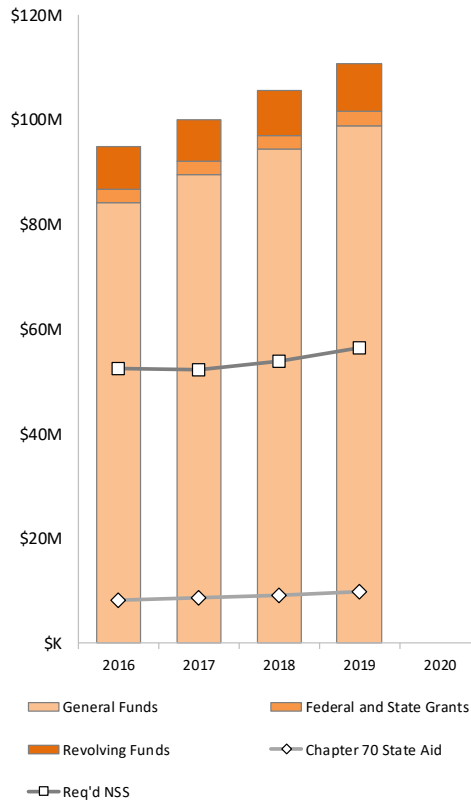
## 2019 Actual/Required Net School Spending



\* Charter schools do not receive Chapter 70 funds

## 2016 - 2019

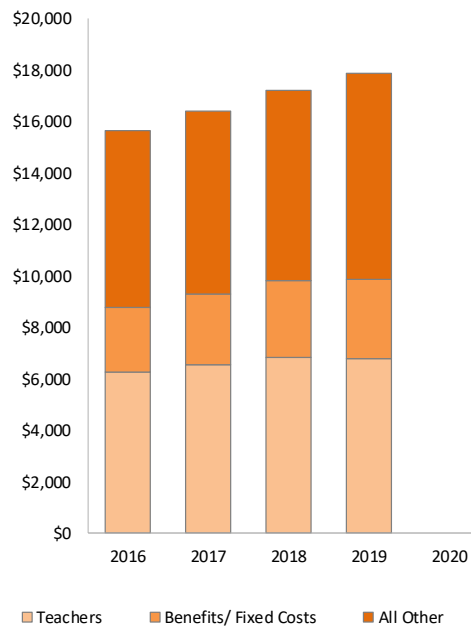
### Expenditures by source of funds (excl debt and capital, incl reg'l assessments)



Change  
4 yrs

District  
+17%

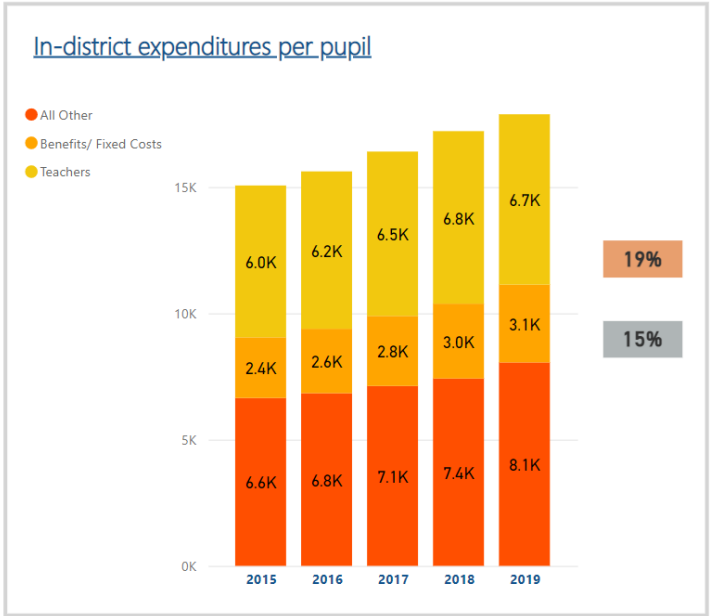
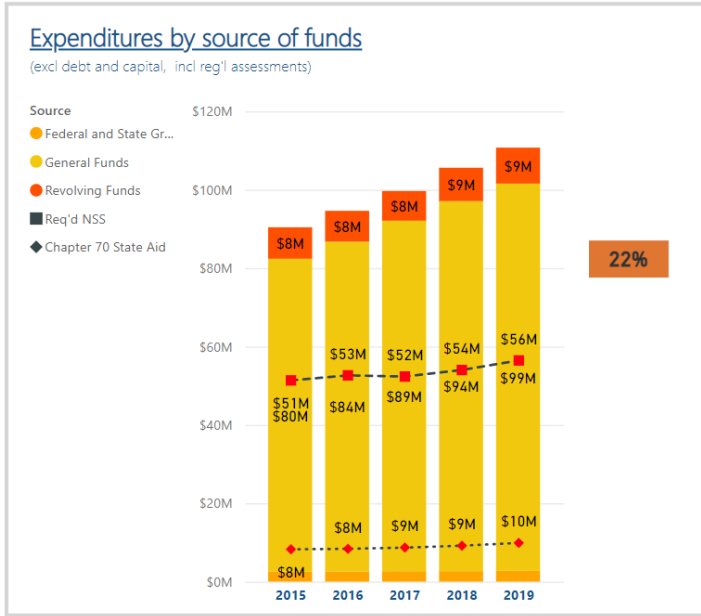
### In-district expenditures per pupil



District  
+14%

State  
+11%

# Selected Indicators – Needham Categories of Net School Spending Compliance with Chapter 70 School Funding Requirements

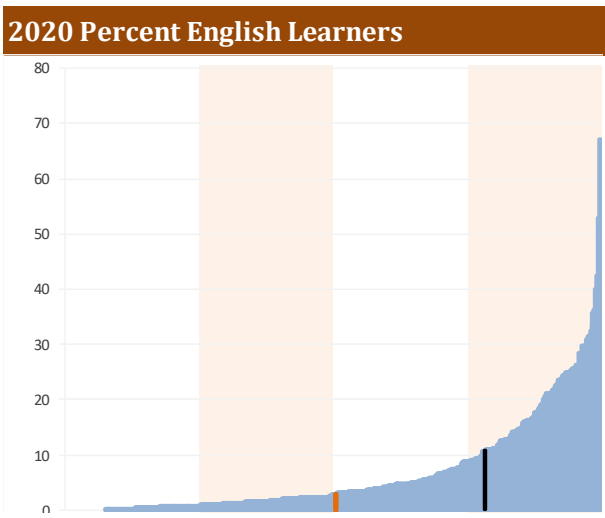
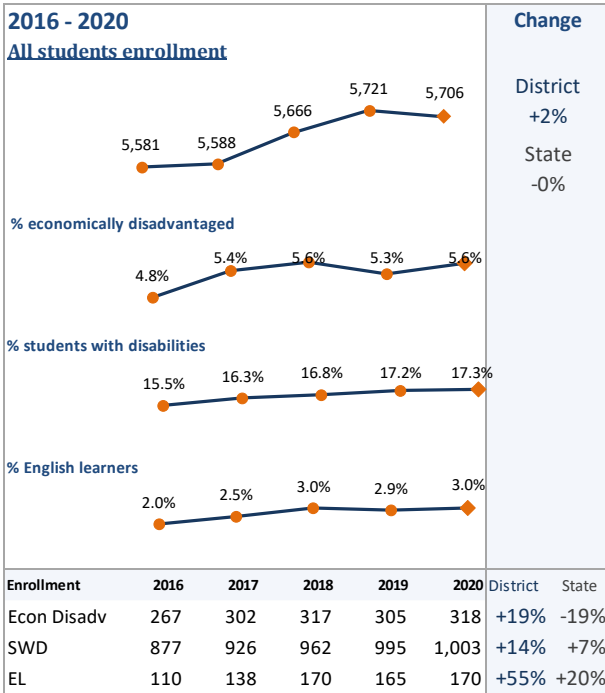
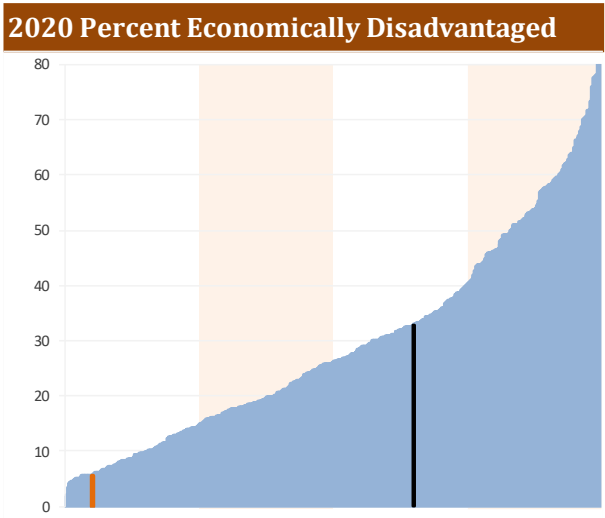
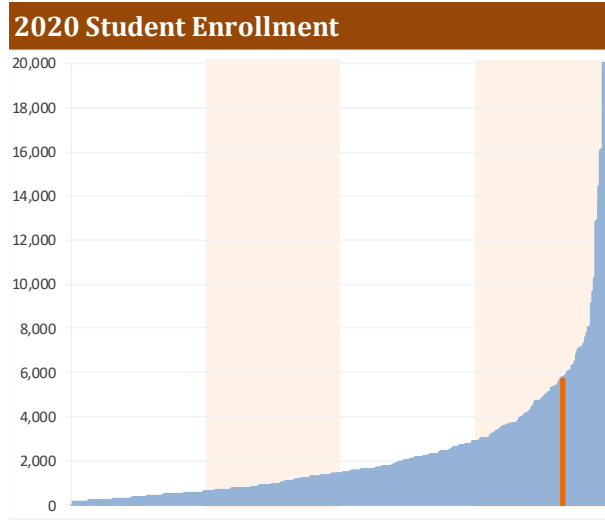
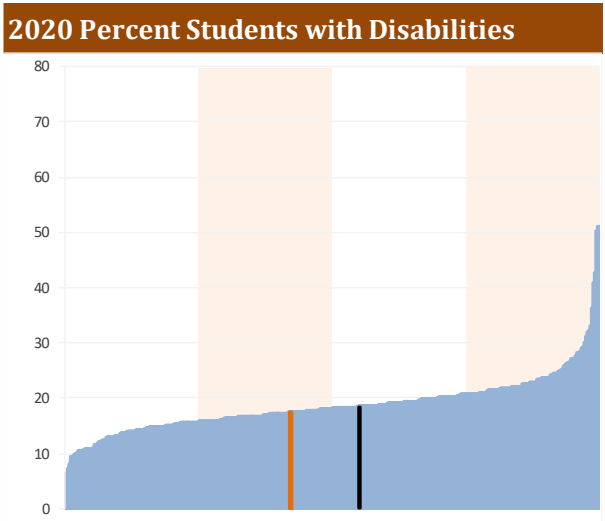


Orange box: District Change Over 5 Years (22% for Expenditures, 19% for In-district expenditures)  
 Grey box: State Change Over 5 Years (15% for In-district expenditures)

\*Graphs above are specific to Needham

Organization	Total	Admin	Instr'l Leaders	Teachers	Other Teaching Services	Professional Development	Instr'l Materials	Guidance & Psychology	Pupil Services	Operations & Maintenance	Benefits & Fixed Costs
Brookline	\$19,849	3%	7%	40%	12%	1%	3%	4%	5%	8%	18%
Concord	\$19,842	2%	7%	41%	16%	1%	3%	3%	7%	8%	11%
Concord-Carlisle	\$20,758	3%	7%	42%	7%	1%	3%	6%	13%	8%	11%
Dedham	\$19,501	4%	7%	38%	9%	2%	2%	4%	9%	10%	16%
Dover	\$18,895	6%	7%	40%	12%	1%	2%	2%	5%	9%	17%
Dover-Sherborn	\$20,962	2%	6%	42%	6%	1%	2%	4%	11%	10%	16%
Framingham	\$18,385	5%	8%	38%	9%	0%	1%	3%	11%	7%	17%
Holliston	\$13,561	3%	9%	45%	11%	1%	2%	4%	7%	8%	10%
Hopkinton	\$14,572	4%	5%	46%	7%	1%	3%	4%	10%	6%	14%
Lexington	\$17,340	3%	10%	43%	12%	1%	2%	5%	9%	0%	15%
Medfield	\$16,013	3%	6%	45%	9%	0%	2%	4%	10%	8%	12%
Natick	\$15,193	5%	7%	40%	9%	1%	2%	4%	11%	8%	13%
<b>Needham</b>	<b>\$17,883</b>	<b>5%</b>	<b>8%</b>	<b>38%</b>	<b>9%</b>	<b>1%</b>	<b>4%</b>	<b>3%</b>	<b>7%</b>	<b>9%</b>	<b>17%</b>
Newton	\$19,297	3%	6%	37%	12%	2%	2%	4%	8%	7%	18%
Norwood	\$16,031	4%	5%	42%	8%	0%	1%	3%	9%	10%	18%
Sherborn	\$18,945	4%	7%	41%	14%	1%	3%	2%	5%	8%	15%
Walpole	\$15,690	2%	8%	40%	9%	2%	2%	3%	12%	7%	15%
Wayland	\$18,726	3%	8%	41%	9%	1%	3%	4%	8%	8%	14%
Wellesley	\$19,734	2%	9%	39%	12%	2%	4%	4%	7%	8%	14%
Weston	\$24,972	3%	7%	36%	8%	1%	3%	5%	9%	11%	18%
Westwood	\$18,879	3%	7%	40%	11%	1%	3%	3%	9%	12%	12%
Winchester	\$14,013	4%	8%	45%	8%	0%	4%	4%	8%	6%	14%

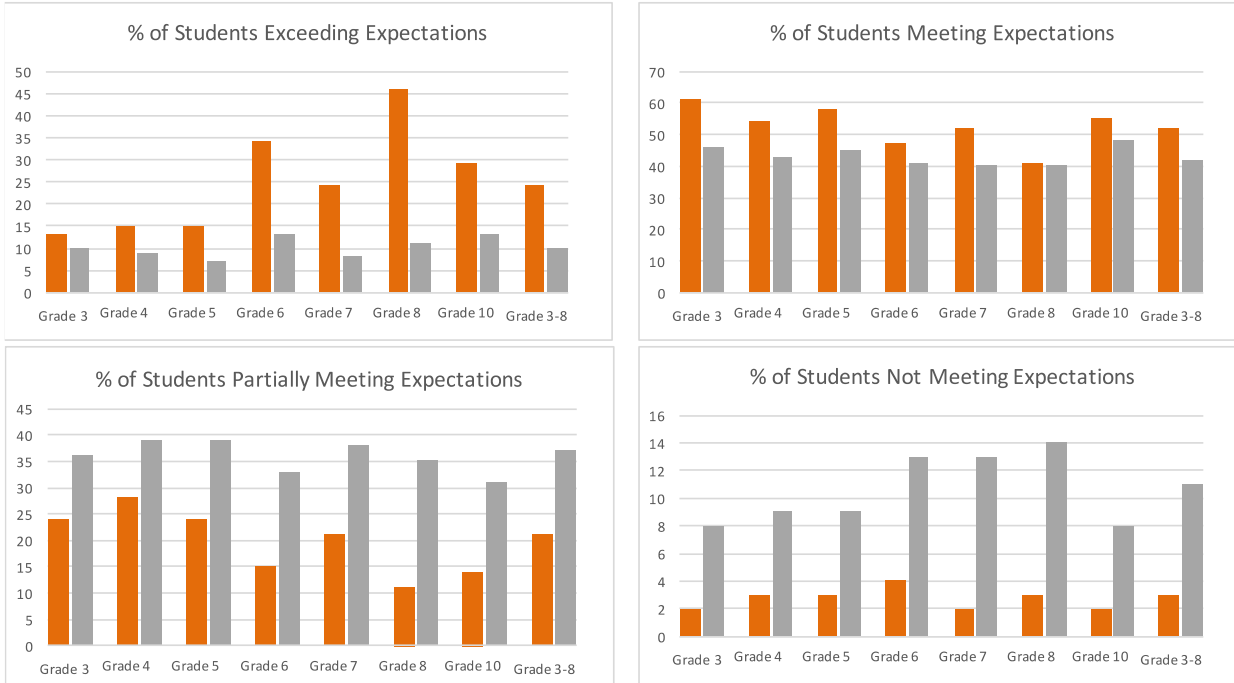
# Selected Indicators – Needham Student Demographics



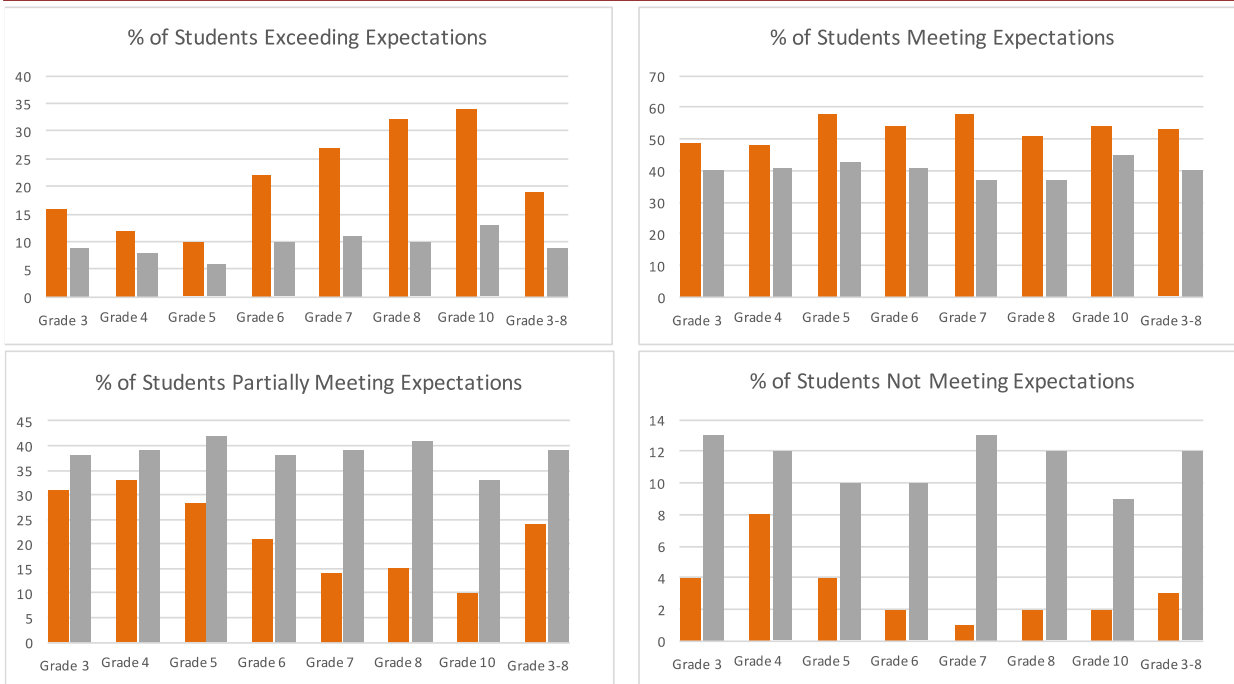
# Selected Indicators – Needham MCAS

**Note: No results are available from the spring 2020 assessments due to the cancellation of test administrations in response to the COVID-19 pandemic. The results below are from 2019.**

## 2019 Next Generation MCAS Tests - ELA



## 2019 Next Generation MCAS Tests - MATH



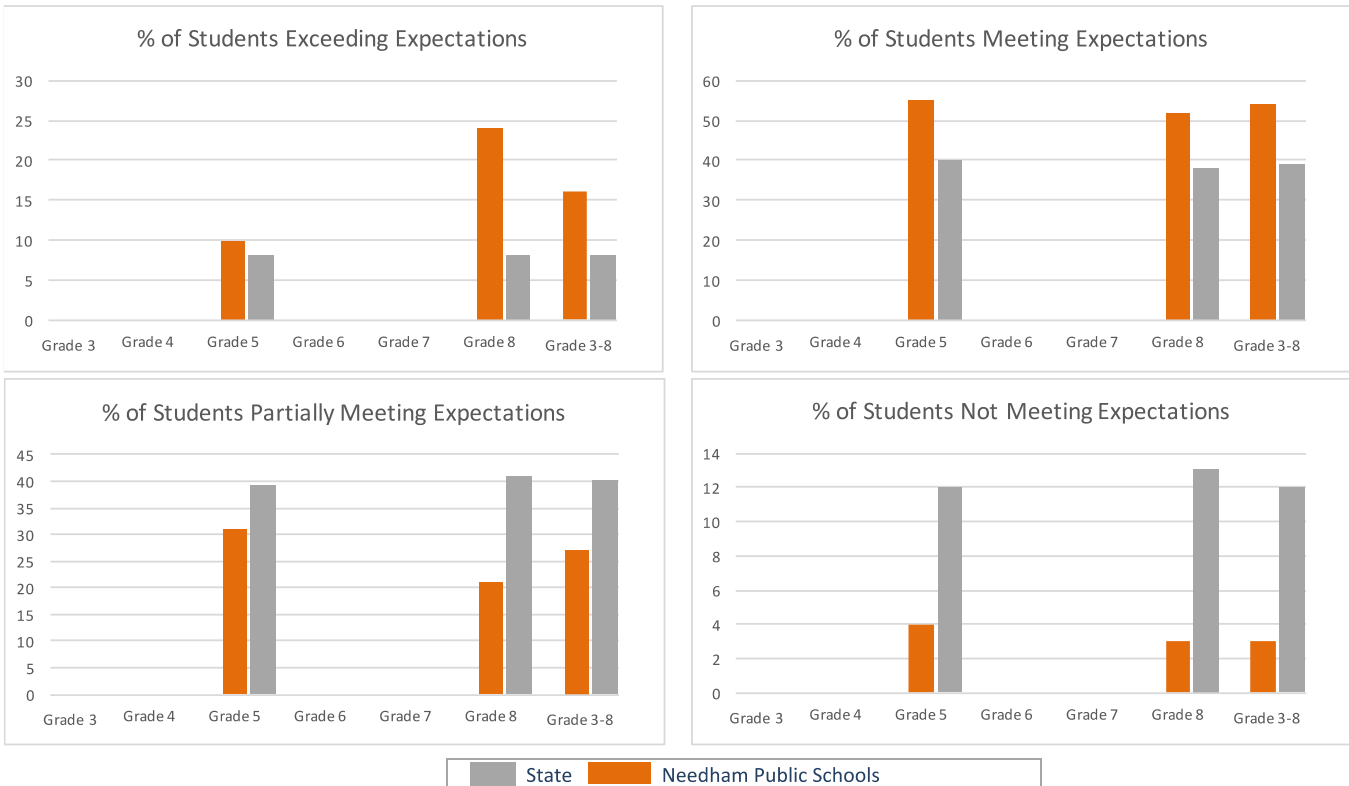
State Needham Public Schools

Source: Massachusetts Department of Elementary & Secondary Education

# Selected Indicators – Needham MCAS

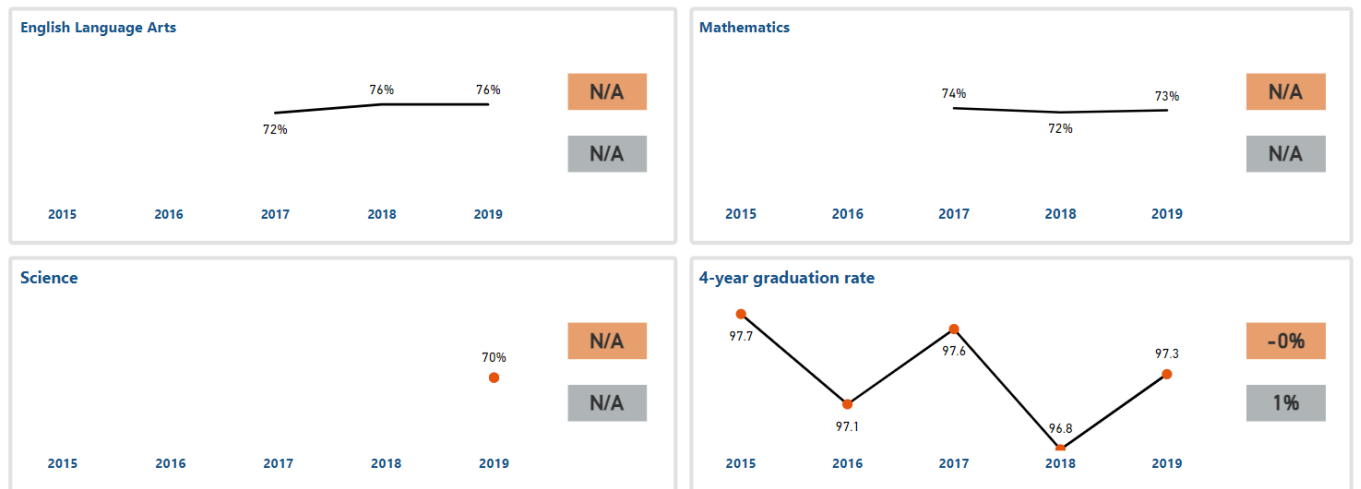
*Note: No results are available from the spring 2020 assessments due to the cancellation of test administrations in response to the COVID-19 pandemic. The results below are from 2019.*

## 2019 Next Generation MCAS Tests - SCIENCE



Source: Massachusetts Department of Elementary & Secondary Education

Percentage of students exceeding or meeting expectations on the Grades 3-8 Next Generation MCAS for ELA, Math, and Grade 10 Science. 4-year cohort graduation rate.



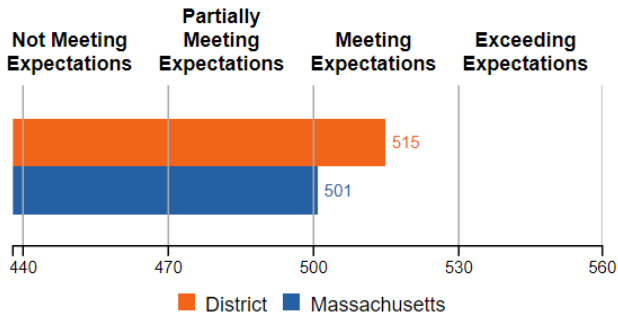
Legend: District Change Over 5 Years (Orange), State Change Over 5 Years (Gray)

# Selected Indicators – Needham MCAS

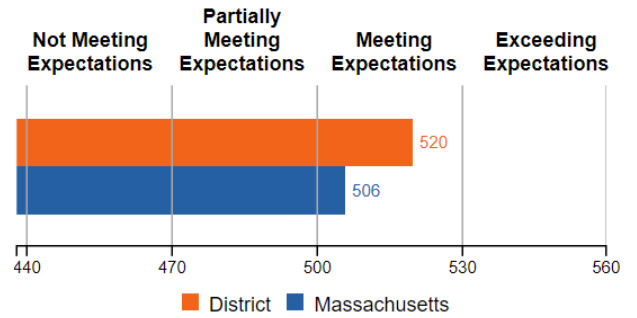
## 2019 Student Achievement

Next Generation MCAS ([Average Scaled Score](#))

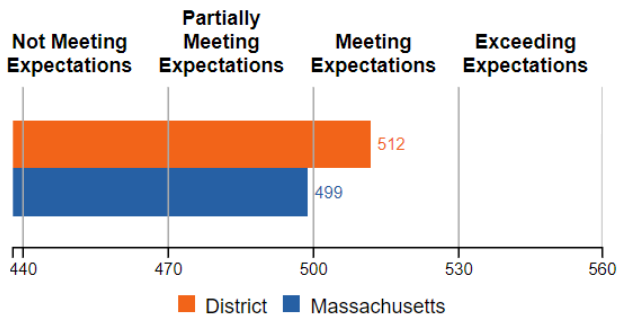
English Language Arts - Grades 3 - 8



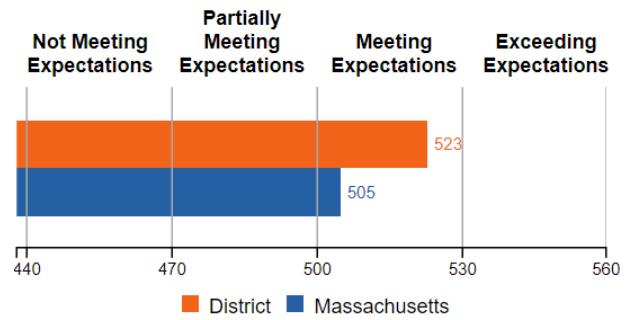
English Language Arts - Grade 10



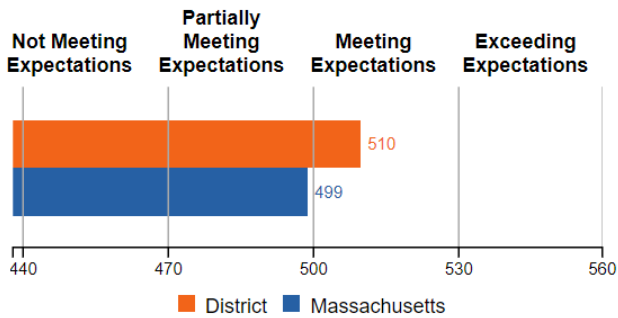
Mathematics - Grades 3 - 8



Mathematics - Grade 10



Science and Tech/Eng - Grades 5 & 8

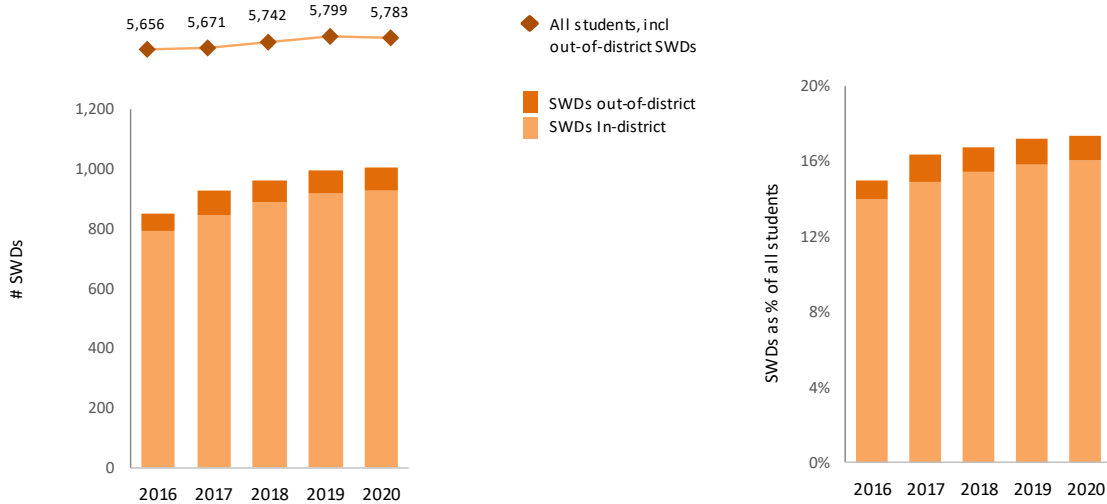


# Selected Indicators – Needham Special Education

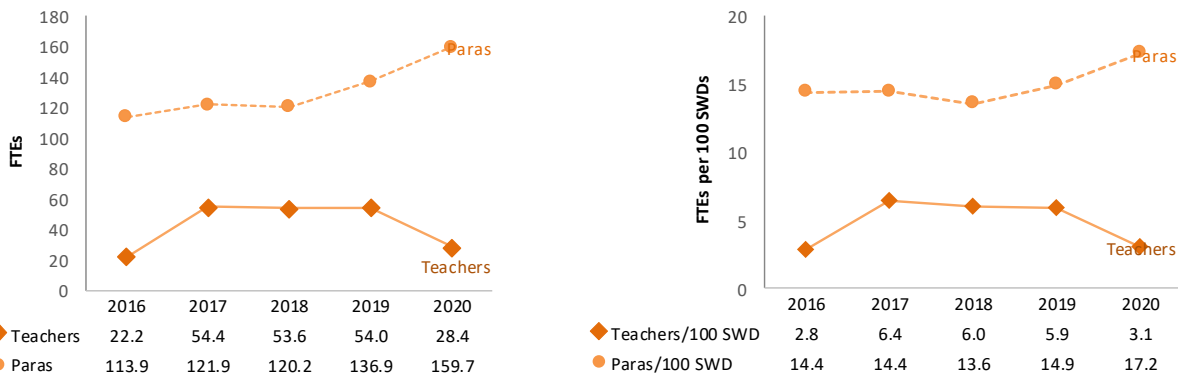
## 2020 Enrollment by Grade, In and Out of District

Grade	Students	# SWD	% SWD	District	State	Full inclusion	Partial inclusion	Substantially separate	Sep sch in district/home/hosp	Out of district	2016	2020	5 yr change
											#s	#s	#s
All	5,783	1,003	17%			784	84	53	5	77	820	1,003	22%
PK	72	32	44%			19	6	6	1	0	39	32	-7
K	391	38	10%			27	4	2	4	1	3	38	35
Gr 1	436	34	8%			30	4	0	0	0	27	34	7
Gr 2	443	62	14%			53	6	1	0	2	39	62	23
Gr 3	439	77	18%			62	7	3	0	5	43	77	34
Gr 4	465	74	16%			64	4	4	0	2	67	74	7
Gr 5	427	84	20%			66	1	12	0	5	72	84	12
Gr 6	507	97	19%			75	5	9	0	8	83	97	14
Gr 7	464	96	21%			82	6	3	0	5	81	96	15
Gr 8	439	83	19%			63	12	1	0	7	86	83	-3
Gr 9	387	72	19%			53	10	2	0	7	70	72	2
Gr 10	463	83	18%			64	9	0	0	10	74	83	9
Gr 11	432	88	20%			66	7	4	0	11	70	88	18
Gr 12	408	73	18%			59	3	4	0	7	59	73	14
SP	10	10	100%			1	0	2	0	7	7	10	3

## 2016 -2020 Enrollment



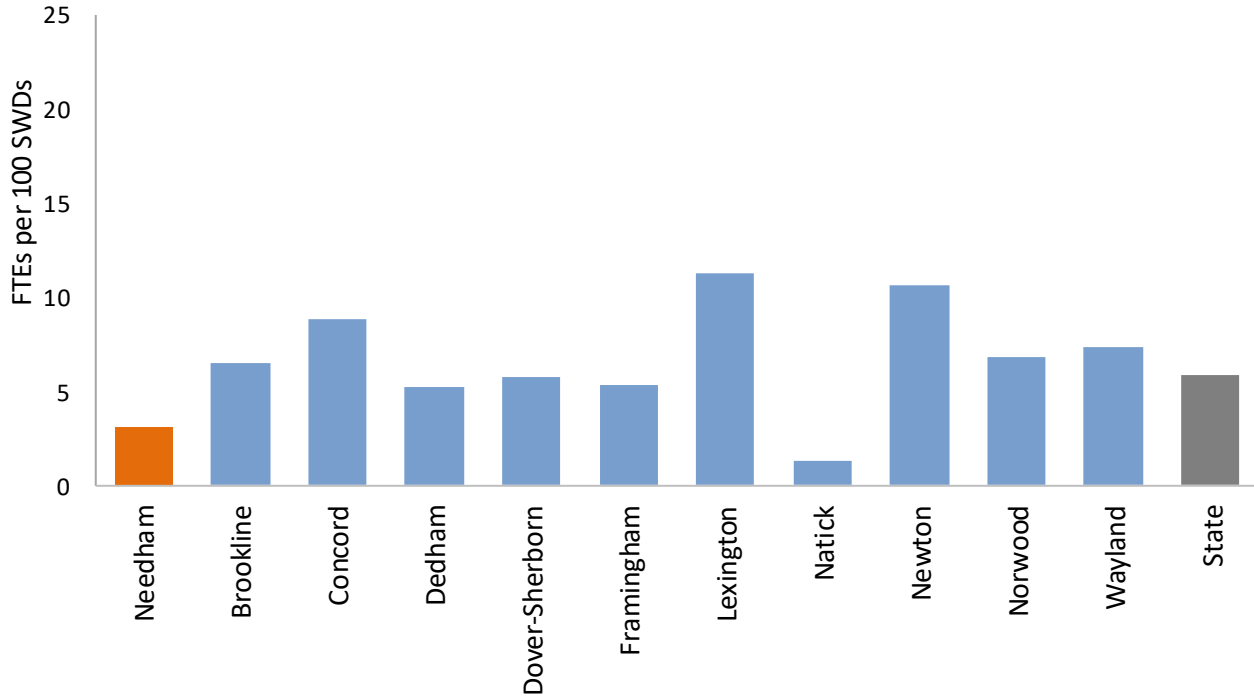
## 2016 -2020 Special Education Teachers and Paraprofessionals



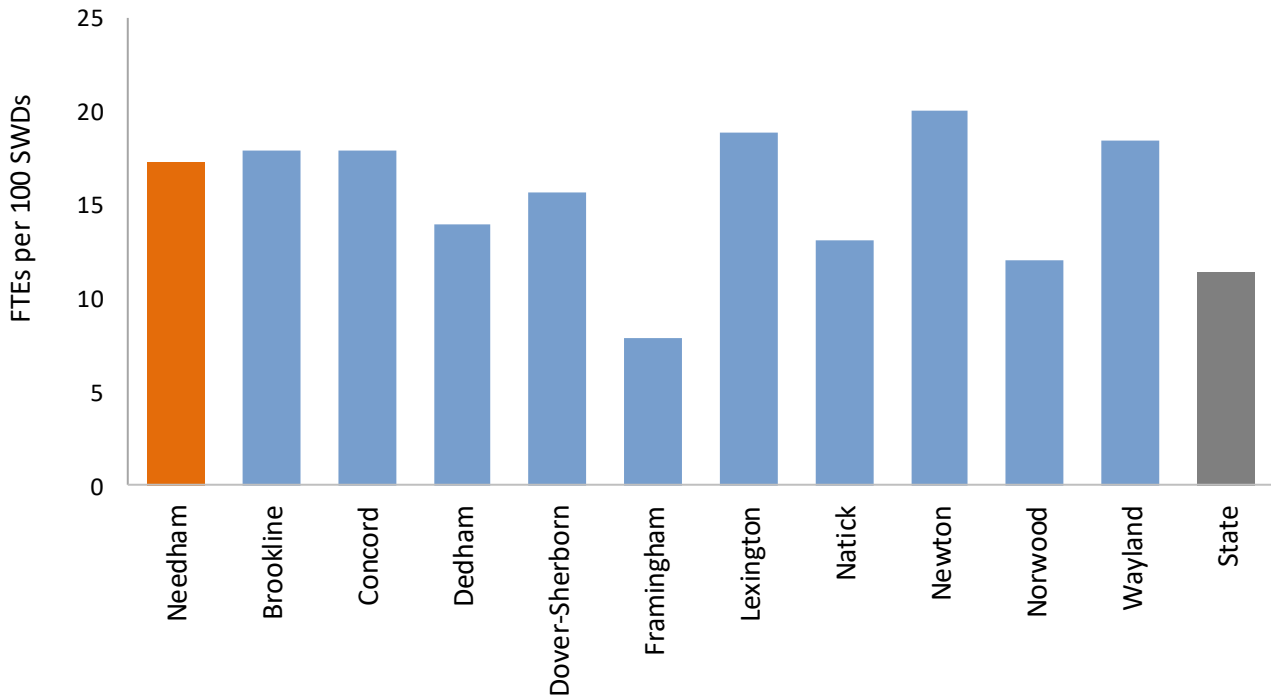


# Selected Indicators – Special Education Comparison of Staff per 100 Students with Disabilities

## Special education teachers



## Special education paraprofessionals



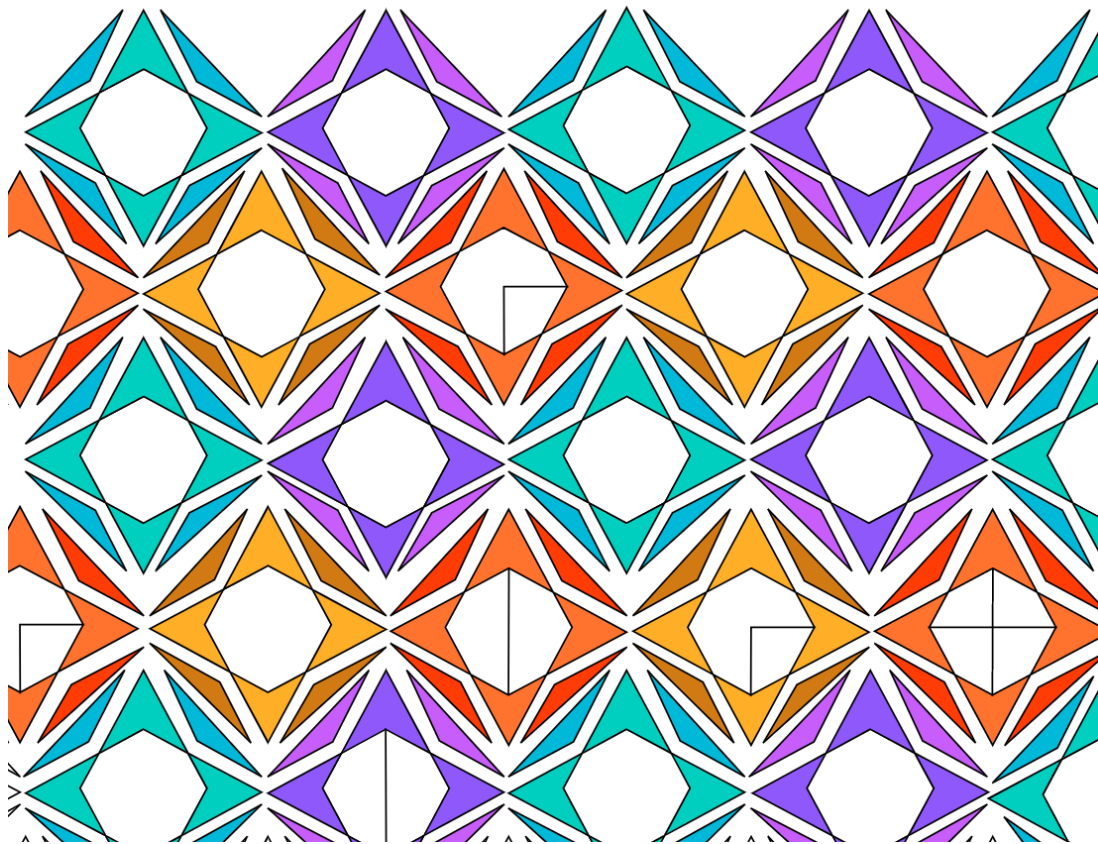
## Class of 2020 Profile: Schools Attended

American University (2)	Emory University	Northwestern University
Amherst College (2)	Endicott College	Occidental College
Assumption University (4)	Fairfield University (8)	Pennsylvania State University (2)
Babson College (2)	Fashion Institute of Technology	Plymouth State University
Barnard College	Framingham State University	Pomona College
Bates College (3)	George Washington University (4)	Providence College (5)
Baylor University	Georgetown University (2)	Purdue University-Main Campus
Becker College	Georgia Institute of Technology-Main Campus	Quinnipiac University (7)
Bentley University (4)	Gettysburg College	Regis College
Binghamton University	Harvard University (3)	Saint Anselm College
Boston College (11)	Howard University (2)	Saint Michael's College
Boston University (7)	Indiana University-Bloomington (5)	Salem State University
Bowdoin College	Ithaca College (2)	San Diego State University (2)
Brandeis University (3)	Johnson & Wales University (3)	Savannah College of Art and Design (2)
Bridgewater State University	Kansas State University	Smith College
Brown University (2)	Lehigh University (6)	Southern Methodist University
Bryant University (2)	Lindenwood University	Southern New Hampshire University
Bucknell University	Louisiana State University	St Lawrence University
Canisius College	Loyola Marymount University	Stonehill College
Case Western Reserve University	Loyola University Chicago	Suffolk University
Clark University	Loyola University Maryland	SUNY College at Geneseo
Clemson University	Loyola University Maryland	SUNY College of Environmental Science and Forestry
Colby College (2)	Macalester College	Syracuse University (7)
College of Charleston (2)	Marist College	Temple University (2)
College of the Holy Cross (3)	Massachusetts Bay Community College (2)	The Ohio State University (4)
Colorado College	Massachusetts College of Art and Design	The University of Texas at Arlington
Columbia University i	Mass College of Pharmacy and Health Sciences	Trinity College (2)
Connecticut College (2)	McMaster University	Tufts University (7)
Cornell University	Merrimack College (2)	Tulane University (6)
Curry College	Miami University-Oxford (3)	Union College (3)
Dartmouth College	Michigan State University	United States Merchant Marine Academy
Dean College	Middlebury College	United States Military Academy
DePaul University	Morehouse College	University of California-Berkeley
Drexel University	Mount Holyoke College	
Duke University	New York University	
Duquesne University	Northeastern University (19)	
Elon University (5)		
Emerson College		
Emerson College		
Emory University		

University of California-Santa  
Barbara  
University of Chicago (2)  
University of Colorado Boulder  
(3)  
University of Connecticut (3)  
University of Delaware (2)  
University of Denver  
University of Florida  
University of Georgia  
University of Hartford  
University of Maine  
University of Maryland (8)  
University of Massachusetts  
Boston (8)  
University of Massachusetts  
Dartmouth

University of Massachusetts-  
Amherst (22)  
University of Massachusetts-  
Lowell (3)  
University of Miami (3)  
University of Michigan (6)  
University of New Hampshire  
(3)  
University of Notre Dame (3)  
University of Pittsburgh  
University of Rhode Island (6)  
University of Rochester  
University of South Carolina (3)  
University of Southern  
California  
University of Tampa (3)  
University of Vermont (12)  
University of Virginia (4)

University of Wisconsin (6)  
Vanderbilt University (3)  
Vassar College  
Villanova University (4)  
Virginia Polytechnic Institute  
and State University  
Wake Forest University (4)  
Washington University in St  
Louis (2)  
Wentworth Institute of  
Technology (2)  
Wesleyan University (2)  
Westfield State University (4)  
Wheaton College (2)  
The College of William and  
Mary  
Worcester Polytechnic Institute  
(5)



Josh Herrera, "Coloring Book Page," Needham High School, Design & Production 1

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