

# Nashoba Valley Technical School District

Town of Westford  
Budget Presentation  
Fiscal Year 2011

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Superintendent of Schools*

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- NVTHS statistics:
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# Vocational-Technical Education in Massachusetts

## *A Pioneer Institute White Paper , October 2008*

*In 2006, the Massachusetts Business Alliance for Education (MBAE) released a report entitled *Preparing for the Future: Employer Perspectives on Work Readiness Skills*, a project to inform educators and policy-makers about the work readiness skills that employers expect of Massachusetts high school graduates...*

*“There was general agreement that vocational school graduates are more job-ready than general education or college preparatory high school graduates. In fact, a number of participants felt that vocational high school graduates were often more job-ready than college graduates.”*

Also, employers felt that vocational graduates are more team-oriented, disciplined, and prepared to enter the workforce. Graduates of vocational schools were described as having superior soft skills and preparation in comparison to other graduates.

*In a tight economic environment, results like these are hard to ignore.*

# *A Pioneer Institute White Paper* Vocational- Technical Education in Massachusetts

- Over 50 percent of VTE graduates pursue postsecondary education, and importantly, special education students at Massachusetts VTE schools are counted among those with the highest graduation rates.
- In fact, VTE dropout rates are significantly lower than state average, 1.8 percent versus 3.8 percent.
- Every student in the Commonwealth has access to one of the 63 VTE programs throughout the state.
- VTE's academic results are due to many factors. They reflect a combination of high expectations by educators and the completion of challenging, rigorous coursework by students. The academic skills necessary for career or college entry and success are gained along with practical knowledge that elevates VTE students to the ranks of experts in their fields.

# Incomplete Grade: Massachusetts Education Reform at 15

Authored by the Massachusetts Institute for a New Commonwealth, May 2009

## Purpose of MassINC Study

“Fifteen years after the passage of this landmark legislation, at a moment when the nation is looking to replicate the successes of education reform in Massachusetts, the time is ripe to analyze the results of the state’s investment coupled with high standards and accountability measures.”<sup>1</sup>

# MassINC Comments/Recommendations

- 1) “A robust system of vocational-technical schools with ties to job opportunities is important as another avenue of choice.”
- 2) “The vocational-technical schools in Massachusetts have realized the importance of their students acquiring strong academic skills in addition to technical skills.”
- 3) “A recent study finds that they have a better-than-average graduation and MCAS pass rate than similarly situated students.”
- 4) “Moreover, almost all of the state’s vocational and technical schools have waiting lists.”<sup>2</sup>

# MassINC Comments/Recommendations

continued

- 5) “There are ways in which the Commonwealth could better leverage the resources of the voc-tech schools. Voc-tech schools could help increase the number of graduates in high-demand fields.”
- 6) “The ability of voc-tech schools to offer technical associate degrees and certificates should be explored.”
- 7) “In the meantime, the state should expand effective vocational-technical schools as one promising route to academic success.”<sup>3</sup>

# **NVTHS Statistics:**

**Enrollment & Minimum  
Contribution Trends**

**Per Pupil Spending**



# Minimum Contribution and Enrollment – five year trend

<b>Enrollment</b>						
<b><u>Town</u></b>	<b><u>10/1/2005</u></b>	<b><u>10/1/2006</u></b>	<b><u>10/2/2007</u></b>	<b><u>10/1/2008</u></b>	<b><u>10/1/2009</u></b>	<b><u>5 yr chg</u></b>
Chelmsford	109	98	117	133	139	28%
Groton	30	35	43	39	44	47%
Littleton	32	41	42	39	48	50%
Pepperell	93	116	107	124	132	42%
Shirley	38	44	51	45	52	37%
Townsend	69	73	78	106	109	58%
Westford	46	56	55	53	61	33%
<b>Total</b>	<b>417</b>	<b>463</b>	<b>493</b>	<b>539</b>	<b>585</b>	<b>40%</b>
increase		46	30	46	46	
% change		11.0%	6.5%	9.3%	8.5%	40%
<b>Minimum Contribution</b>						
<b><u>Town</u></b>	<b><u>FY07</u></b>	<b><u>FY08</u></b>	<b><u>FY09</u></b>	<b><u>FY10</u></b>	<b><u>FY11</u></b>	<b><u>5 yr chg</u></b>
Chelmsford	\$ 1,155,970	\$ 1,123,742	\$ 1,334,714	\$ 1,516,819	\$ 1,611,503	39%
Groton	\$ 239,806	\$ 257,407	\$ 338,456	\$ 391,078	\$ 459,315	92%
Littleton	\$ 318,084	\$ 464,448	\$ 461,854	\$ 421,191	\$ 514,202	62%
Pepperell	\$ 552,701	\$ 673,465	\$ 653,697	\$ 782,966	\$ 848,887	54%
Shirley	\$ 217,209	\$ 259,760	\$ 337,220	\$ 322,118	\$ 378,071	74%
Townsend	\$ 514,898	\$ 471,316	\$ 508,369	\$ 681,338	\$ 715,704	39%
Westford	\$ 388,470	\$ 493,629	\$ 495,813	\$ 482,706	\$ 576,888	49%
	<b>\$ 3,387,138</b>	<b>\$ 3,743,767</b>	<b>\$ 4,130,123</b>	<b>\$ 4,598,216</b>	<b>\$ 5,104,570</b>	<b>51%</b>

# NVTHS Per Pupil Expense Trend - Actual

<u>Fiscal Year</u>	<u>Enrollment</u>	<u>Spending</u>	<u>Per Pupil</u>	<u>% change</u>
FY05	539.2	\$ 7,916,891	\$ 14,683	
FY06	542.8	\$ 8,487,593	\$ 15,637	6%
FY07	588.2	\$ 8,583,521	\$ 14,593	-7%
FY08	623.8	\$ 9,192,014	\$ 14,736	1%
FY09	646.7	\$ 9,796,298	\$ 15,149	3%

# FY09 Per Pupil Expenses-Vocational

source: Mass DESE Website

	District Name	Total Pupils	Total Expenditures	Total Expenditures per Pupil	Rank
830	MINUTEMAN	648.4	19,751,218	30,463.35	1
829	SOUTH MIDDLESEX	598.6	16,612,261	27,753.25	2
913	ESSEX COUNTY	427.5	10,289,996	24,069.60	3
854	NORTH SHORE	446.7	10,175,367	22,781.01	4
823	GREATER LAWRENCE	1,323.4	28,120,746	21,248.54	5
806	BLUE HILLS	826.6	17,376,397	21,020.51	6
915	NORFOLK COUNTY	451.6	9,255,140	20,495.93	7
860	PATHFINDER	621.1	12,570,632	20,238.65	8
818	FRANKLIN COUNTY	505.2	10,198,403	20,186.46	9
879	UPPER CAPE COD	659.3	13,024,077	19,753.20	10
815	CAPE COD	691.7	13,354,560	19,307.98	11
872	SOUTHEASTERN	1,296.9	24,392,411	18,807.95	12
853	NORTHEAST METROPOLITAN	1,214.5	22,586,929	18,598.02	13
871	SHAWSHEEN VALLEY	1,262.4	23,393,946	18,531.18	14
801	ASSABET VALLEY	959.8	17,741,153	18,483.83	15
910	BRISTOL COUNTY	424.0	7,651,961	18,047.93	16
873	SOUTH SHORE	579.6	10,265,651	17,710.70	17
885	WHITTIER	1,140.8	20,133,105	17,649.01	18
828	GREATER LOWELL	1,986.1	34,984,983	17,615.09	19
821	GREATER FALL RIVER	1,365.0	22,993,843	16,845.18	20
855	OLD COLONY	559.2	9,417,320	16,840.10	21
825	GREATER NEW BEDFORD	2,019.4	33,951,292	16,812.90	22
832	MONTACHUSETT	1,347.1	22,618,499	16,790.89	23
878	TRI COUNTY	941.9	15,787,755	16,762.49	24
805	BLACKSTONE VALLEY	1,098.0	18,215,346	16,590.02	25
851	NORTHERN BERKSHIRE	518.3	8,418,001	16,240.62	26
876	SOUTHERN WORCESTER	1,111.2	17,181,344	15,462.53	27
810	BRISTOL PLYMOUTH	1,197.4	18,349,936	15,324.95	28
852	NASHOBA VALLEY	646.7	9,796,298	15,148.60	29

# **Current State Funding Formula**

**Massachusetts Department of Revenue**  
**Division of Local Services**  
**FY2011 Local Aid Estimates**  
**NASHOBA VALLEY**

	<b>FY2010 Cherry Sheet Estimate</b>	<b>FY2011 Governor's Budget (House 2)</b>	<b>Difference</b>
<b>Education:</b>			
Chapter 70	2,844,999	3,268,772	
SFSF to Maintain Foundation			
Spending	423,773	0	
<b>Total Chapter 70</b>	<b>3,268,772</b>	<b>3,268,772</b>	<b>0</b>
Regional School Transportation	278,896	293,768	14,872
Charter Tuition Reimbursement	0	0	
<b>Offset Receipts:</b>			
School Lunch	3,664	3,374	-290
School Choice Receiving Tuition	471,739	376,710	-95,029
Essex County Tech Receiving			
Tuition	0	0	
<b>Total Estimated Receipts</b>	<b>4,023,071</b>	<b>3,942,624</b>	<b>(80,447)</b>
<b>Estimated Charges:</b>			
Special Education	0	0	
School Choice Sending Tuition	13,219	5,000	-8,219
Charter School Sending Tuition	0	0	
<b>Total Estimated Charges</b>	<b>13,219</b>	<b>5,000</b>	<b>-8,219</b>
<b>Receipts Net of Charges</b>	<b>4,009,852</b>	<b>3,937,624</b>	<b>-72,228</b>

# FY11 State Aid- Chapter 70 Preliminary

Massachusetts Department of Elementary and Secondary Education

FY11 Preliminary Chapter 70

Regional District Enrollment and Contributions by Member City or Town

## 852NASHOBA VALLEY

Member	Foundation Enrollment			Required Minimum Contribution		
	FY10	FY11	Change	FY10	FY11	Change
<b>District Total</b>	<b>539</b>	<b>585</b>	<b>46</b>	<b>4,598,216</b>	<b>5,104,570</b>	<b>506,354</b>
56CHELMSFORD	133	139	6	1,516,819	1,611,503	94,684
115GROTON	39	44	5	391,078	459,315	68,237
158LITTLETON	39	48	9	421,191	514,202	93,011
232PEPPERELL	124	132	8	782,966	848,887	65,921
270SHIRLEY	45	52	7	322,118	378,071	55,953
299TOWNSEND	106	109	3	681,338	715,704	34,366
326WESTFORD	53	61	8	482,706	576,888	94,182

# Massachusetts Department of Elementary and Secondary Education

## Determination of City and Town Total Required Contribution FY11

### 326 WESTFORD

#### Effort Goal

#### FY11 Increments Toward Goal

1) 2008 equalized valuation	4,139,284,800	13) Required local contribution FY10	28,290,226
2) Property percentage	0.2956%	14) Municipal revenue growth factor (DOR)	5.86%
3) Local effort from property wealth	12,237,049	15) FY11 preliminary contribution (13 x 14)	29,948,033
		16)	68.72%
		Preliminary contribution pct of foundation (15/8)	
4) 2007 income	1,133,014,000		
5) Income percentage	1.3682%	<i>If preliminary contribution is above the target share:</i>	
6) Local effort from income	15,501,517	17) Excess local effort (15 - 10)	2,209,467
7) Combined effort yield (row 3+ row 6)	27,738,566	18) 30% reduction toward target (17 x 30%)	662,840
		19) FY11 required local contribution (15 - 18)	29,285,193
		20) Contribution as percentage of foundation (19 / 8)	<b>67.20</b>
8) Foundation budget FY11	43,581,987		
9) Maximum local contribution (82.5% * row 8)	35,955,139	<i>If preliminary contribution is below the target share:</i>	
10) Target local contribution (lesser of row 7 or 9)	27,738,566	21) Shortfall from target local share (11 - 16)	
		22)	
		Added increment toward target (13 x 1% or 2%)*	
		*1% if shortfall is between 5% and 10%; 2% if shortfall > 10%	
		23) Shortfall from target after adding increment (10 - 15 - 22)	
11) Target <b>local</b> share (row 10 as % of row 8)	63.65%	24) FY11 required local contribution (15 + 22)	
12) Target <b>aid</b> share (100% minus row 11)	36.35%	25) Contribution as percentage of foundation (24 / 8)	

# Massachusetts Department of Elementary and Secondary Education

## FY11 Chapter 70

### Apportionment of Local Contribution Across School Districts

326 WESTFORD	WESTFORD	NASHOBA VALLEY	COMBINED TOTAL ALL DISTRICTS
<u>Prior Year Data (for comparison purposes)</u>			
-			
1 FY10 foundation enrollment	5,133	53	5,186
2 FY10 foundation budget	44,563,082	773,563	45,336,645
3 Each district's share of municipality's combined FY10 foundation	98.29%	1.71%	100.00%
4 FY10 required contribution	27,807,520	482,706	28,290,226
<u>Apportionment of FY11 contribution among community's districts</u>			
5 FY11 total unapportioned required contribution ("municipal contribution" sheet row 19 or 24)			29,285,193
6 FY11 foundation enrollment	5,086	61	5,147
7 FY11 foundation budget	42,723,467	858,520	43,581,987
8 Each district's share of municipality's total FY11 foundation	98.03%	1.97%	100.00%
9 FY11 required contribution apportioned using row 8 percentages	28,708,305	576,888	29,285,193
10 Essex Agricultural adjustment			
<b>11 Required district contribution FY11 ( lines 10 + 11)</b>	<b>28,708,305</b>	<b>576,888</b>	<b>29,285,193</b>
12 Change FY10 to FY11 (12 - 5)	900,785	94,182	994,967



# FY11 Budget Proposal

# The Year in Review

- Green Initiatives: Energy Audit; Water Borne paints program in Autobody; Electronic information and archival to save paper
  - Solar Installation on Concession Stand roof
  - 100 kW Solar System on roof of school
  - Reviewing second 100kW Solar System on roof
- Agreement with Bright Horizons Family Solutions for the pre-school building on site
- Enrollment growth continues at 8%-13% per year

# Nashoba Valley Technical High School

## FY 2011 Summary By Function Code

Function Code	Account Description	FY 09 Budget	FY 10 Budget	FY 11 Proposed	Increase (Decrease) Amount	Increase (Decrease)%
1400	Central Office, Finance & Legal	540,410	549,153	552,751	3,598	1%
2200	Principal's Office	282,792	282,254	289,817	7,563	3%
2220	Instructional Leadership-Bldg level	336,900	356,466	354,139	(2,327)	-1%
2250	Building Technology	65,164	89,644	93,453	3,809	4%
2300	Teaching Services	3,351,151	3,597,964	3,734,001	136,037	4%
2340	Library Services	47,863	55,025	56,676	1,651	3%
2350	Professional Development	55,277	55,230	55,230	-	0%
2400	Textbooks and instructional materials	322,787	284,740	217,246	(67,494)	-24%
2700	Guidance Services	246,012	248,018	249,624	1,606	1%
3100	Attendance Services	63,575	68,137	70,103	1,966	3%
3200	Health Services	48,085	51,993	52,729	736	1%
3300	Student Transportation Services	657,830	648,376	663,657	15,281	2%
3400	Food Services	14,076	14,787	14,926	139	1%
3510	Athletic Services	190,818	185,333	184,561	(772)	0%
3520	Student Activities	55,031	60,106	62,059	1,953	3%
3600	School Security	54,336	59,055	60,824	1,770	3%
4110	Custodial Services	163,987	182,818	180,055	(2,763)	-2%
4120	Heating of Buildings	241,500	200,000	200,000	-	0%
4130	Utilities	390,075	348,800	344,000	(4,800)	-1%
4210	Maintenance-Grounds	105,026	109,294	110,017	724	1%
4220	Maintenance-Buildings	163,489	166,549	154,143	(12,406)	-7%
4230	Maintenance-Equipment	135,214	152,046	142,046	(10,000)	-7%
4450	Technology Maintenance	15,920	12,660	11,710	(950)	-8%
5100	Employee Retirement	189,129	191,333	191,333	-	0%
5200	Insurance Programs-Active Employees	1,098,581	1,142,941	1,161,040	18,099	2%
5250	Insurance Programs-Retired Employees	319,150	300,150	350,150	50,000	17%
5260	Other Non-Employee Insurance	63,468	68,000	72,300	4,300	6%
7000	Acquisition of Fixed Assets	100,000	100,000	100,000	-	0%
8100	Long Term Debt Service-Principal	355,000	355,000	355,000	-	0%
8200	Long Term Debt Service-Interest	257,501	241,748	228,658	(13,090)	-5%
9110	School Choice	15,000	15,000	15,000	-	0%
	<b>Grand Total</b>	<b>9,945,147</b>	<b>10,192,619</b>	<b>10,327,248</b>	<b>134,630</b>	<b>1.32%</b>

# Nashoba Valley Technical High School

## FY 2011 Financial Plan

Funding Sources	FY09 Recertified Budget	FY10 Preliminary Budget	FY10 Recertified Budget	FY11 Preliminary Budget
<b>Operating Budget</b>				
<b>Revenues</b>				
District Town Assessments	5,358,567	5,694,142	5,594,142	6,124,718
Interest & Other Income	150,000	50,000	50,000	50,000
State Transportation Reimbursement	408,981	396,777	278,898	293,768
Chapter 70 School Aid	2,903,060	2,903,060	2,844,999	3,268,772
<b>Total from Outside Sources</b>	<b>8,820,608</b>	<b>9,043,979</b>	<b>8,768,039</b>	<b>9,737,258</b>
<b>Other Available Funds</b>				
Excess & Deficiency-required	-	112,408	112,408	-
Excess & Deficiency-additional	448,824	372,722	472,722	100,000
School Choice Funds	251,176	250,000	367,879	176,480
Outside Tuition	400,000	400,000	400,000	300,000
Construction Project premium	24,539	13,510	13,510	13,510
Prepaid BAN closing costs	-	-	-	-
<b>Total Other Available Funds</b>	<b>1,124,539</b>	<b>1,148,640</b>	<b>1,366,519</b>	<b>589,990</b>
<b>Total Funding</b>	<b>\$ 9,945,147</b>	<b>\$ 10,192,619</b>	<b>\$ 10,134,558</b>	<b>\$ 10,327,248</b>
<b>Total Spending</b>	<b>9,945,147</b>	<b>10,192,619</b>	<b>10,192,619</b>	<b>10,327,248</b>
<b>Assessment Details</b>				
Minimum Contribution	4,130,123	4,610,904	4,610,904	5,104,570
Increase in Minimum Contribution	240,482	100,000	-	-
Transportation Assessment	300,000	300,000	300,000	350,000
Capital Assessment	100,000	100,000	100,000	100,000
Bond & BANS Debt Service	612,501	596,748	596,748	583,658
Less: BAN premium	(24,539)	(13,510)	(13,510)	(13,510)
<b>Total Assessments</b>	<b>5,358,567</b>	<b>5,694,142</b>	<b>5,594,142</b>	<b>6,124,718</b>

Enrollment Details	As of 10/01/08	Projected 10/01/09	Actual 10/01/09	Projected 10/01/10
Student Enrollment	662	690	701	725

# FY11 Assessments

<b>Proposed FY11 Budget</b>	<b>10/1/2009 No. of District Students</b>		<b>Students Per Town Percentage</b>	<b>Town's Minimum Contribution</b>		<b>Increase Minimum Contribution</b>	<b>Capital Equipment</b>	<b>Student Transporta tion</b>	<b>Sub-total Assessment 2010-2011</b>	<b>Debt Service</b>	<b>Premium Offset</b>	<b>Total Assessment 2010-2011</b>	<b>Increase 2010- 2011</b>
<b>Chelmsford</b>	139	(+6)	23.76%	1,611,503	(+87,979)	0	23,761	83,162	1,718,426	138,681	(3,210)	1,853,897	87,756
<b>Groton</b>	44	(+5)	7.52%	459,315	(+68,237)	0	7,521	26,325	493,161	43,899	(1,016)	536,044	73,823
<b>Littleton</b>	48	(+9)	8.21%	514,202	(+96,633)	0	8,205	28,718	551,125	47,890	(1,109)	597,906	109,194
<b>Pepperell</b>	132	(+8)	22.56%	848,887	(+65,921)	0	22,564	78,974	950,425	131,697	(3,048)	1,079,074	69,909
<b>Shirley</b>	52	(+7)	8.89%	378,071	(+55,953)	0	8,889	31,111	418,071	51,881	(1,201)	468,751	64,544
<b>Townsend</b>	109	(+3)	18.63%	715,704	(+27,458)	0	18,632	65,214	799,550	108,750	(2,517)	905,783	24,173
<b>Westford</b>	61	(+8)	10.43%	576,888	(+91,485)	0	10,427	36,496	623,811	60,860	(1,409)	683,262	101,177
	<u>585</u>	<u>(+46)</u>	<u>100.00%</u>	<u>5,104,570</u>	<u>(+493,666)</u>	<u>0</u>	<u>100,000</u>	<u>350,000</u>	<u>5,554,570</u>	<u>583,658</u>	<u>(13,510)</u>	<u>6,124,718</u>	<u>530,576</u>

# Capital Planning

	<u>2009-2010</u>	<u>2010-2011</u>	<u>2011-2012</u>	<u>2012-2013</u>
<b><u>Energy &amp; Environmental</u></b>				
Re-lamp Interior/Exterior Lighting Sys.		\$15,000		\$10,000
Green Project Initiative	\$ 11,000			
<b><u>Grounds Expense</u></b>				
Renovate Athletic Fields		\$25,000		
Seal and Repair Driveways		\$20,000		
<b><u>Building Expenses</u></b>				
Repair Indoor Bleachers/Gym	\$ 20,000			
Refinish Gym Floor		\$15,000		
Epoxy-Resin Floor Renovations		\$25,000		
New Roof for Early Educations Center				\$15,000
New Kitchen Cabinets for Early Ed Center				\$15,000
Sprinkler System for Storage	\$ 15,000			
Floor Drainage Unit Renovation	\$ 10,000			
Air Conditioning – Computer Lab	\$ 4,000			
<b><u>Miscellaneous</u></b>				
Replace Dump Truck & Plow	\$ 40,000			
Replace 2 (7D) Vans*			\$60,000	\$60,000
Front End Loader with Cab			\$40,000	
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>

\*Currently we own four 12-15 passenger vans, according to the Registry of Motor Vehicles effective 2011, all such passenger vehicles must be taken out of service and will no longer be permitted to carry students.

# NASHOBA VALLEY TECHNICAL HIGH SCHOOL

## DONATIONS 2009-2010

<b>Company/Individual</b>	<b>Date</b>	<b>Donation</b>	<b>Value</b>	<b>Area</b>
Barnes & Noble Booksellers	7/14/09	5 copies of "Unforgettable Color" by Revlon	100	Library/Cosmetology
Control Resources, Inc.	9/8/09	20 Power supply units	700	Technology
New England Coffee Company	10/1/09	Coffee - 2 cases	200	Athletics
Ohiopyle Prints, Inc.	10/28/09	Cash	25	School
Hairlines	11/24/09	Hair color and hair care products	5,000	Cosmetology
Evergreen Solar, Inc.	11/25/09	Miscellaneous lumber	150	Carpentry & Cabinetmaking
School Street Light Truck Parts, Inc.	12/4/09	Snap-On MT2500 diagnostic scanner	200	Automotive Technology
Dr. Jeffrey Dornbsh	12/17/09	Peri Pro III x-ray processor	1,000	Dental Assisting
Koziol, Ken	12/18/09	Assorted nails	500	Carpentry & Cabinetmaking
Sunny Acres	12/22/09	(3) Standard Electric Hospital Beds	4,500	Health Assisting
		<b>TOTAL</b>	<b>12,375</b>	



# Community Projects

