



Newton Public Schools

**Career and Vocational
Technical Education**

2016

Overview of Career and Vocational Technical Education

- **Director Responsibilities for NPS:**
 - **8 Programs:** Automotive Technology, Carpentry, Culinary Arts, Design & Visual Communications, Drafting, Early Education & Care, Graphic Communications and TV & Video Production
 - **9 Teachers & 5 Technical Assistants**
 - **832 Students**
 - **2 High Schools**
 - **Accountability Responsibilities to NPS and DESE:** maintain Chapter 74 Regulations and meet annual Perkins Core Indicator Requirements
- **Department Head Responsibilities at NNHS**
 - **Supervision of Business Program** – 2 Teachers, 386 students
 - **Shared supervision of Technology & Engineering Programs** – 5 Teachers – 354 students

DESE Positive Placement Data

Chapter 74 Positive Placement: Postsecondary, Related Employment, and Military

Perkins Positive Placement: Postsecondary, Related Employment, Non-Related Employment, and Military

2013

○ **CVTE – 88%**

2014

○ **CVTE – 94%**

Percentage of Students in Postsecondary Education Related to High School Programs.

2013

- CVTE – 39%
- Business – 44%
- Engineering – 38%

2014

- CVTE – 60%
- Business – 77%
- Engineering – 55%

Three-Year Enrollment Numbers

2014	2015	2016
*CVTE Total 788 Figure Includes Exploratory	*CVTE Total 820 Figure Includes Exploratory	*CVTE Total 832 Figure Includes Exploratory
CVTE Majors 270	CVTE Majors 271	CVTE Majors 303
Business 332	Business 378	Business 386
Engineering 152	Engineering 139	Engineering 131
Robotics 92	Robotics 136	Robotics 118
Greengineering 143	Greengineering 128	Greengineering 131

* CVTE – Represents the 8 Career & Vocational Technical Education Programs

% of Students in Programs Non-Traditional for Their Gender

2014	2015	2016
Automotive – 0% (Female)	Automotive – 8% (Female)	Automotive – 4% (Female)
Carpentry – 21% (Female)	Carpentry – 10% (Female)	Carpentry – 15% (Female)
Culinary Arts – 65% (Female)	Culinary Arts – 49% (Female)	Culinary Arts – 53% (Female)
Drafting – 31% (Female)	Drafting – 32% (Female)	Drafting – 46% (Female)
Early Ed & Care - 0% (Male)	Early Ed. & Care – 0% (Male)	Early Ed. & Care – 0% (Male)
Engineering – 16% (Female)	Engineering - 14% (Female)	Engineering - 21% (Female)
Robotics – 10% (Female)	Robotics - 9% (Female)	Robotics - 11% (Female)
Greengineering – 27% (Female)	Greengineering - 50% (Female)	Greengineering - 40% (Female)

Newton South Initiatives

- Purchased commercial kitchen equipment for NSHS Culinary Program with Perkins Grant Funds – under-counter dishwasher, reach-in freezer, Hobart mixer and stand, and security storage racks.
- Designed new CVTE brochure for 8th grade students and families to provide CVTE program information and clarify access options.

Advanced Auto
Alpha Graphics
Big Belly
Boston College Dining Commons
Bright Horizons
Busa Construction
Cabots
Cambridge Savings Bank
Cannon Design
Clegg Photography
Cotton Construction
Gupta Media LLC
Legal Sea Foods
New TV
Pierce Lamb Architects
Plowshares
Raytheon
Reagan's Service
SandCart Studio
Sapient
Signs by Tomorrow
The Village Bank

Business and Industry Partners

Cooperative Education
Guest Speakers & Teachers
Job Shadow Experience
Internships
Advisory Committee Member

Future Goals

- To collaborate on a district-wide technology replacement plan and technical support.
- To continue building support to build a student store at NNHS - the students in the Business Program have raised \$12,000 toward funding this.
- To ensure appropriate classroom facilities for new programs such as TV & Video Production.
- To continue to promote the value of CVTE.

MASS 9 for the 9Th

Beginning in 2007, the students in the Carpentry Program began doing Service Learning Work in the Lower 9th in New Orleans – this year will be their 9th year. Each year the students very work hard and are committed to making a difference. Thanks to their service learning work the students have been instrumental in helping 8 families return HOME.



Newton's Senior Citizens Enjoying Lunch in the Tiger's Loft Bistro

The students in the Culinary Arts Program prepare and provide a full service luncheon four times a year for the Newton Senior Citizens – another great example of community service learning and outreach.

