

Shawsheen Valley Technical High School
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School Profile
 2016-2017

CEE/ACT Code 220473

Superintendent-Director	Timothy Broadrick	978-671-3602
Assistant Superintendent-Director/Business Manager	Melanie Hagman	978-671-3605
Principal	Robert Kanellas, Ed.D.	978-671-3640
Assistant Principal	Jessica Cook	978-671-3636
Director of Academics	Andrea Gobbi	978-671-3607
Director of Guidance & Health Services	Jobee O'Sullivan	978-671-3612
Director of Student Support Services	Kevin Pierce	978-671-3647
Director of Vocational/Technical Programs	David Norkiewicz	978-671-3642
Co-op Coordinator	Richard Lavoie	978-671-3619
Dean of Students	Chester Flynn	978-671-3638

COMMUNITY:

Shawsheen Valley is a regional technical school district located twenty miles northwest of Boston. The district is composed of five member towns. These towns include Bedford (pop. 14,171), Billerica (pop. 42,683), Burlington (pop. 25,920), Tewksbury (pop. 30,915), and Wilmington (pop. 23,534). The district population is primarily upwardly mobile middle class. With its proximity to Routes 128, 93 and 495, the district lies in the heart of much of Massachusetts' high tech industry. Students residing in the district have the option of attending the traditional high school in their town or applying to Shawsheen Valley Technical High School to pursue technical study in addition to traditional academic class work.

SCHOOL:

Shawsheen Valley is a New England Association of Secondary Schools and Colleges accredited technical high school for grades 9-12 with an enrollment of approximately 1,375.

Along with an academic program that parallels that of the district high schools, Shawsheen offers specialized technical instruction in twenty career areas. Eligible seniors can elect to participate in cooperative education to further their understanding of the industry and advance their skills in their field of study.

GRADE EXPLANATION:

A = 93-100	A- = 90-92	
B+ = 87-89	B = 83-86	B- = 80-82
C+ = 77-79	C = 73-76	C- = 70-72
D+ = 67-69	D = 63-66	D- = 60-62
F = Failure (59>)	W = Withdrawn	

CLASS RANK:

Shawsheen uses a weighted system to determine class rank. The level of courses selected, total number of credits, and grades determine a student's class rank.

Minimum Requirements for Graduation

4 years English	20 credits
3 years Math	15 credits
3 years Social Studies	
(Including U.S. History 1 and 2)	15 credits
2 years Science	10 credits
3 years Physical Education	6 credits
3 years Vocational-Technical Study	60 credits
4 years Related Technology	15 credits
1 year Career Exploration	20 credits

(4-year college bound students enroll in 4 years of mathematics, 3 years of science, and Spanish 1 and 2)

POST GRADUATE PLACEMENT
 CLASS OF 2016

College	62%
Employment	32%
Military	1%

Shawsheen Technical High School Core Subjects

Shop/Technical

9th Grade students at Shawsheen spend three quarters in career exploration, in which they rotate through the twelve career options available for study. This provides valuable insight into each of the career options, and helps students make informed career program decisions. The scheduling structure in grades 10-12 provides intensive technical study in students' chosen career program. Graduates complete 1,500 hours of technical hands-on trade preparation, and 250 hours of related instruction. Qualified seniors have the option of augmenting their in-school career preparation by participating in a co-op, internship, or apprenticeship program through a school/business partnership that is designed to enhance and broaden their breadth of experience.

Related Technology and Foreign Language

Technical high school students engage in a unique and specific curricular program that aligns with their chosen career path. Therefore, the Massachusetts Board of Higher Education recognizes Related Technology as a viable alternative to foreign language course offerings. Two years of Related Technology are credited towards a portion of the foreign language requirement for state colleges and universities. Shawsheen also provides opportunity for students to take Spanish I and Spanish II courses during evening hours to fulfill any additional foreign language requirements that are not met by Related Technology.

English

The English Department uses standardized and criteria-reference assessments to group students homogeneously into classes that best meet their specific learning needs and abilities. Shawsheen offers a rigorous College Preparatory English Language Arts program of study, which is designed to prepare students for both post-secondary education and vocational-technical careers. In addition to honors and college preparatory course offerings, trained and certified reading specialists provide specific support to students with diagnosed reading deficits. The English curriculum is designed with specific writing focus on literary analysis, argument and persuasion at all grade levels.

Mathematics

It is the goal of the Math Department to provide every student with the opportunity to learn the math concepts and skills that are necessary for college and career success. The honors level math sequence consists of Geometry (grade 9), Algebra 2 (grade 10), Pre-Calculus (grade 11), and Calculus in grade 12. The college preparatory math sequence includes Algebra 1 in grade 9, Geometry in grade 10, Algebra 2 in grade 11, and math electives in grade 12 that include Statistics, Statistics and Trigonometry, Trigonometry and Analytic Geometry, and Introduction to Trigonometry. The math Department encourages the use of technology, including computer aided instruction and graphing tools.

Science

Students in the honors science sequence take lab cell biology in grade 9, lab chemistry in grade 10, and physics in grade 12. The college preparatory science course offerings include Lab Cell Biology in grade 9, Lab Biodiversity and Ecology in grade 10, and a choice of Lab Physics, Lab Chemistry, or Lab Physical Science in grade 12. Additionally, students enrolled in the Health Occupations shops take Chemistry in the grade 10 and Anatomy and Physiology in grade 11 in order to meet the science requirements of their chosen career path. Students planning on attending a four-year college or university are required to take at least three years of a lab-based science course.

Social Studies

The Social Studies program provides a rigorous college preparatory curriculum in which students learn how to become active and responsible participants in their communities. The curriculum stresses the fundamental values of democracy, and encourages students to develop an understanding of world cultures. Students take college preparatory World History in grade 9, honors or college preparatory U.S. History I in grade 10, honors or college prep U.S. History II in grade 11, and have the opportunity to choose from elective offerings in grade 12, including Modern U.S. History, Civics, and Legal Issues.