



**Shrewsbury High School Career and Technical Education and
Innovation Career Pathways
Fiscal Year 2025 Budget Overview**

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Mr. Todd Bazydlo
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Key Areas of Budget Responsibility

- I. Engage all SHS students in school-to-workforce opportunities and authentic career exploration and related learning experiences that encourage them to explore fields that match current regional labor demands. These experiences may or may not require a four-year college degree. Based on our research and surveys of students, SHS will offer Advanced Manufacturing and Environmental and Life Sciences Pathways to all students.
- II. Equip students with the knowledge and experiences, while fostering a mindset of innovation, creativity, sustainability, and global awareness.
- III. Strengthen life skills that have proven to be essential to the modern workplace. These include critical thinking, communication, team work, integrity, and leadership.
- IV. Expand offerings to include a wide range of technical and career readiness opportunities that will prepare students and provide them with the skills, experiences, and knowledge needed to secure employment following high school.
- V. Identify and recruit students, prepare program materials, collaborate with businesses and organizations including the Blackstone Valley HUB for Workforce Development.
- VI. Oversee student work experiences and cultivate new connections with industry partners and local colleges and universities to expand student opportunities focused on career exploration.
- VII. Create opportunities for students to complete 100 hours of a career immersion experience in either an internship or Capstone class, offering structured work readiness activities and work-

based learning experiences.

Key Budget Investments for Fiscal Year 2025

Career and Technical Education Coordinator

Key investment of \$75,000

Included in this category are:

- 1.0 FTE Career and Technical Education Coordinator at Shrewsbury High School to support the coordination of career exploration opportunities including internships, job shadowing, mentorship, Capstone projects, and postsecondary degrees and/or certificates, apprenticeships, or employment.

Programming: Project Lead the Way

Key investment of \$111,400

Included in this category are:

- Engineering Upstart Cost: \$70,000*
 - Introduction to Engineering Design (IED): Upgrade durable materials to align with current curriculum programming
 - Principles of Engineering (POE): Upgrade durable materials to align with current curriculum programming
 - Computer Integrated Manufacturing (CIM): Purchase equipment and materials for this new course.
 - Training/Professional Development for teachers
- Biomedical Upstart Cost: \$41,400*
 - Principles of Biomedical Science (PBS): Upgrade durable materials to align with current curriculum programming
 - Human Body Systems (HBS): Upgrade durable materials to align with current curriculum programming
 - Medical Interventions (MI): Purchase equipment and materials for this new course.
 - Training/Professional Development for teachers
- Future Recurring Annual Cost of PLTW Programming \$12,000/year*
 - Biomedical: \$6,800 for consumables/year
 - PBS: \$1,200 per section, projecting 2 sections
 - HBS: \$800 per section, projecting 4 sections
 - MI: \$1,200 per section, projecting 1 section
 - Engineering: \$5,000 for consumables/year
 - IED: \$2,000/year per section, projecting
 - POE: \$1,000/year per section, projecting
 - CIM: \$1,000/year per section, projecting

*Based on current purchase quotes for equipment and material suppliers. These estimates may fluctuate.

Estimated total requested for new investments from the appropriated budget or grant funding in FY25: \$186,400

Efficiencies Through Use of Grants or Alternative Funding in Fiscal Year 2025

The following grants and alternative funds have been awarded through Project Lead the Way and Innovation Career Pathways grant funding through the Massachusetts Department of Elementary and Secondary Education:

- One8 Foundation Project Lead the Way (PLTW) High School Engineering grant funding (\$40,000) utilized to offset the costs associated with the Project Lead the Way Engineering program. This may include equipment, technology, and educator training.
- MA Department of Elementary and Secondary Education (DESE) sponsored Innovation Career Pathways Planning Grant Funding (\$25,000)
- MA Department of Elementary and Secondary Education (DESE) sponsored Innovation Career Pathways Designation Grant Funding (\$150,000-anticipated)
- MA Department of Elementary and Secondary Education (DESE) sponsored MyCAP Grant Funding (\$5,500)
- WIN Waste Innovations donation (Spring 2023) - (\$17,500 earmarked for career exploration programming at SHS)
- Estimated total use of grants/alternative funds in FY 24 & FY25: ~**\$238,000**



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Todd Bazydlo

Principal, Shrewsbury High School

To: Shrewsbury School Committee

Re: SHS Career Technical Education Coordinator

Context

Connected Learning for a Complex World is a priority in the 2023-2027 SPS Strategic Plan, and includes the following: ***Advance Career and Technical Education: Strengthen all students' postsecondary preparedness by expanding access to career and technical education, evaluating course offerings, and exploring pathway opportunities.*** All Shrewsbury High School students are encouraged to participate in career exploration. School and district leaders are expanding curricular offerings, providing experiential learning opportunities, expanding partnerships with area businesses for work-based learning experiences (internships - paid and unpaid), and securing funding outside of the appropriated budget to provide a diverse career and workforce experience to our students. Many steps have been taken to strengthen and broaden student learning during and outside of the school day. In order for this programming to be successfully implemented, the budget recommendation detailed in this report includes a request to hire a **Career Technical Education Coordinator** at Shrewsbury High School, and illustrates other costs and funding sources involved in expanding CTE and pathway opportunities to SHS students.

Career Technical Education Program Overview

Career Technical Education, career exploration, and innovation career pathways continue to expand and strengthen at Shrewsbury High School. School and district faculty closely collaborate to create, assess, and strengthen career and life readiness experiences for all SHS students. Some of these opportunities include:

- Career Fairs at Shrewsbury High School (Grades 9-12)
- Career Days at Oak Middle School (Grade 7)
- SHS Job Fairs (fall and spring)
- Job shadowing (examples):
 - Town Hall departments
 - SELCO
 - Olympus Surgical Technologies
 - Marvell Semiconductor, Inc.
 - Clinton Savings Bank
 - Lofty Homes
 - Shrewsbury Federal Credit Union
 - Component Source International (CSI)
- Guest Speaker Series including:
 - Scott Nickerson, Senior Vice-President of Personalized Cancer Vaccine Manufacturing, Moderna
 - Tim Halley, Co-Founder, MUNQ LLC
 - Bob Evans, Operations Director, BV HUB for Workforce Development
- Lunch and Learn workshops during Friday lunches between students and community partners
- Internships (paid and unpaid)

This programming provides college, career, and workforce development opportunities to all students. By illustrating ways in which student strengths, interests, academic and social emotional skills translate into the job market and life preparedness, students are better equipped to create systems that will help them reach their personal and professional goals. When students practice and apply real-life learning skills, they are more likely to make well-informed decisions while realizing a sense of belonging, purpose, and increased independence.

SHS is partnering with the [Blackstone Valley HUB for Workforce Development](#) (BV HUB) and directly benefiting from the state funded [Connecting Activities Grant](#), in addition to opportunities offered through the Department of Elementary and Secondary Education. These resources fully support work-based learning and a myriad of career development experiences for students at Shrewsbury High School.

We learned this week that two SHS students, one graduating senior and one RISE student, were recently employed at Component Sources International Group (CSI). One student will serve as a

Quality Inspector Trainee and the other will be working in the Shipping Department at CSI. Partnerships such as these are critical to students' livelihood and we look forward to expanding opportunities with the expertise of the Career Technical Education Coordinator!

For additional information regarding Innovation Career Pathways and Career Technical Education at Shrewsbury High School, please click [here](#) to view the **Student & Family Information Guide**.

Rationale for Increased Resources

Shrewsbury High School does not currently have a staff member dedicated to coordinate this work. Active facilitation and thorough communication are needed to successfully engage students, faculty, families, community business partners, and higher education institutions. This position is critical to helping students develop the essential skills, knowledge, and opportunities necessary for college and career readiness. The Career Technical Education Coordinator will be responsible for the promotion, organization, implementation, and evaluation of career-based experiences and other related duties for students in Grades 9-12. The staff member will be tasked with contributing to SHS efforts to expand and develop early college programming between local colleges and universities. Additionally, they will provide training focused on work-ready life skills including resume development, cover letter writing, interview skills, etc. Curriculum needs to be developed that will help prepare students for job application processes and this staff member will work with the Director of School Counseling to achieve this goal. This resource will support students to make sound choices when making decisions regarding next steps about college and/or career preparedness, as that relates to financial responsibilities, etc.

Adding Career Innovation Pathways Programming

Working within the physical space constraints of SHS, we are working to provide programming that corresponds with the MassHire Central Region Workforce Board's outlook on current and future labor demands. Currently the MassHire Central Region Workforce Board has identified Life Sciences, Manufacturing and Health Services as three areas where there is currently a strong demand for labor, and the Board has identified these areas as bullish for future growth. We are in the process of adding Computer Integrated Manufacturing and Biomedical Innovation Career Pathways to help provide students with experiences in these fields. As illustrated in the Budget section above, \$186,400 is being requested for new investments from the appropriated budget or grant funding in FY25 for personnel and Project Lead the Way programming to provide students with expanded pathway opportunities; we expect that grant funding will cover these costs.