

Tantasqua Regional High School

Technical Division

Budget Narrative

FY 16

Vocational-technical education is all about providing opportunities and options for students. Our mission is to expose students to both a quality academic education, as well as a technical education delivered in a state-of-the-art facility. Upon graduation students can move directly to the workforce, enroll in a two or four-year college, or into a technical school or apprenticeship program. Students graduate with both a diploma and a trade certificate, including nationally recognized third-party certifications. The programs have expanded over the past several years to nine programs including;

- Computer Aided Design (Architectural and Mechanical Design)
- Information Technology (Networking)
- Culinary Arts
- Health Careers
- Carpentry
- Machine Technology (Manufacturing)
- Electrical Technology
- Business Technology
- Hotel and Restaurant Management

Over the past several years, we have also seen an increase in both interest and participation in the Technical Division. Below is a chart reflecting our enrollment over the past six years. The increase in enrollment includes an increase in tuition-in student, as well as in-district students.

Program	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Health Careers	40	48	56	58	60	61
CAD	30	30	31	39	37	45
Carpentry	36	36	30	33	33	33
Computer Tech	25	27	31	25	34	39
Culinary Arts	28	38	35	35	41	44
Electrical Technology	36	37	40	42	45	52
Manufacturing	39	36	39	36	41	41
Business Technology				3	6	11
Hotel/Restaurant Management				5	10	15
Freshmen	110	105	111	129	152	138
Total	344	357	373	405	459	479

In addition to the enrollment increase in the Technical Division, academic students also take a variety of Technical Division courses as electives. These courses include; Introduction courses for all program areas, in addition to; Web Collection, Adobe Collection, Architectural Design, and Mechanical Design. For the current school year, a total of 59 elective slots have been scheduled for Academic Division students for the current school year, and this is an increase from previous years.

In addition to delivering the curriculum, in the program areas, teachers also work with students in a variety of ways to give back to the community. Community projects are a win-win situation as it provides students with real life experience and translates into cost savings for the towns. Below is a list of some of the projects completed by the Technical Division over the two and a half (projected include both completed projects and anticipated projects for the 2014-2015 school year). In some cases, I have included the cost savings to either the town or the District.

Tantasqua Regional School District

- Ran new wire for the parking lot at the Junior High. (\$1900)
- Repair data Wi-Fi drops in High School. (\$2000)
- Install emergency power circuits to Gym and locker room area. (\$5800)
- Pull cables for 12 video surveillance cameras on the first floor only at Tantasqua (\$4200)
- Relocate the Point of Sales system in Culinary Arts. Added 120 volt power to the same locations. (\$2350)
- Reconnect Culinary Arts double oven set that was replaced by the one from the main kitchen. (\$300)
- Wire new oven in the school's main kitchen. (\$1480)
- Add lighting to Administrative Office area at the High School. (\$1815)
- Add a 120/208 volt sub panel and wire new band saw in Machine Shop. (\$5080)
- Wired a new 480 volt 3phase lathe in Machine Shop. (\$1600)
- Installed a new intercom speaker in the Jr. High Main Office. (\$600)
- Data and piping job at Tantasqua Machine Shop. We have provided a conduit connection between a server in the Machine shop classroom and each of the modern pieces of equipment out in the shop area. The students will be able to control the machines from the classroom to simulate a working environment. \$11,280)
- Ran power for battery back up in High School Server room. (\$2700)
- Install time clock at Jr. High for uninvent heater. (\$500)
- Ran new WIFI drops for special needs students at Jr. High. (\$600)
- Repaired lighting and electrical problem at Jr. High (\$300)
- Install data and power in a Jr. HS classroom for four computers. (\$2280)
- Provided food for a variety of school functions; including Program Advisory, Back to School Night, and National Honor Induction Ceremony.
- Installed new penthouse lighting at the Junior High. (\$2200)
- Computer Tech's TRUST program installed a computer lab in Health Assisting.
- Built sets for TRHS Musicals (The Wizard of Oz and Anything Goes)
- Printing for a number of events and organization; including shows, concerts, Student of the Month, MCAS lists, and home base lists (to name only a few)
- Manufacturing repaired the spin table for the Art Department, as well as a table for Culinary Arts.
- Provided design services and drawings for Guidance Department. (\$800)
- Provided design services and drawings for Technical Division office expansion. (\$1200)
- Redesign of food storage room for Culinary. (\$250)
- Revised Evacuation plans for classrooms, ongoing. (\$280)
- Drawings for Parent-Teacher Conferences. (\$75)
- Plans for new reception desk. (\$250)
- Room plan and sign-in sheets for three Computer Labs. (\$38)

- Fitness Improvement charts for athletes. (\$25)
- Provided posters for MCAS testing. (\$150)
- Refurbishing 15 Lenovo Computers distributed throughout the building. (\$4500)
- Building of a shed for the Physical Education Department.
- Building of a Conference Room for the Technical Division.
- Building of a storage system for Physical Education.
- Repaired two weight training sleds for football team / Tantasqua athletic program. (\$1300)
- Weight rack alterations and rebuilds requiring cutting and welding for fitness room. (\$1200)
- Designed and created signs for Ms. O'Neil and the Technical Guidance Suite. (\$550)
- Weld repair or rivet replacements on six classroom student desks. (\$1200)
- Large lathe transmission rebuild. (\$5000)
- Served a luncheon buffet at the Tantasqua Junior High School for the Massachusetts Commissioner of Education.
- Craft Fair Breakfast fundraiser for Skills U.S.A.
- Prepared and served the Tantasqua Football Banquet.
- Refreshments supplied to Tantasqua Senior High School's annual Freshmen Recognition Reception.
- Prepared and served Sports banquet for Tantasqua Track Team and Basketball Teams.
- Dinner buffet served at the Cornerstone Café for Relay for Life.
- Participant at the Ma. Association of School Committee's annual "Day on the Hill" held in Boston at the Ma. State House.
- Luncheon served to Tantasqua Senior High School's Science Fair judges.
- Dinner buffet at the Cornerstone for the Tantasqua/Union 61 Mentor Program.
- Provided a dinner buffet for at the Cornerstone Café, for Tantasqua Senior High School's annual Out of District presentation.
- Supplied continental breakfast for Tantasqua Class Day presenters.
- Prepared food and refreshments in the Tantasqua Senior High School's library which hosted a retirement reception for a veteran staff member.
- Served a plated banquet at the Tantasqua Senior High School for their annual Honor's Banquet.

Brimfield

- Prepared a staff luncheon for Brimfield Elementary School
- Install PVC conduit between the Town Hall and the Town Annex for fiber optics. (\$1200)
- Troubleshoot and trace out every circuit in the Town hall Annex. Make an Electrical print showing every outlet and switch. (\$6500)
- Troubleshoot and trace out every circuit in the Police and Fire Department. Make an Electrical print showing every outlet and switch. (\$6500)
- Move two smart boards at Brimfield Elementary. (\$1800)
- Installed new outlets in classrooms of 2nd floor classrooms at Brimfield Elementary. (\$3800)
- Bathrooms and certain areas are now on emergency power in Brimfield Elementary. (\$2400)
- Provided free computer system to the Police Department.

Brookfield

- Engineer a card access and video surveillance system to secure the Town Hall. (\$1500)
- Added new emergency lighting and replaced all existing units with LED style lights. (\$4200)

- Replaced the existing outdoor motion lights at the Town Hall with efficient LED style lighting. (\$530)
- Light up the stone arch entrance and the flag pole at the cemetery. (\$1150)
- Upgrade power and data infrastructure for Brookfield Town Hall. (\$6750)
- Move smart board at Brookfield Elementary. (\$800)
- Created a new computer lab at Brookfield Elementary. (\$26,060)
- Prepared staff breakfast for Brookfield Elementary.
- Replaced the roof on the Brookfield Fire Station. (\$10,000)
- Provided design services and drawings for town hall redesign. (\$25,000)
- Provided computer technical support daily to staff and students of Brookfield Elementary.

Holland

- Wired five new computer locations into the server at the Elementary School. (\$1380)
- Add a new outlet at the Holland Town Hall. This outlet will serve power to a computer monitor outside the Tax Collectors office so residents can pay their bill on-line. The keyboard and monitor is on one side of a finished wall with the computer access securely positioned on the opposite side. (\$710)
- Install of new emergency generator in the Town of Holland Senior Center. This generator will replace the normal incoming power in the event of an emergency. The senior center will be able to function as a place of refuge for the town's senior citizens. (\$5860)
- Provided refurbished computers and installed them at the Senior Center.
- Computer Tech will be providing professional development and training to the staff of the Holland Library

Wales

- Repaired heater in Wales elementary. (\$425)
- Upgrading network infrastructure at Wales town hall. (\$11,500)

Sturbridge

- Add outlets and switches at Sturbridge Police Department for new offices. The Carpentry shop built a wall in the middle of a large office space dividing it into two equal spaces. The new spaces will be officer offices. We installed the required amount of outlets and switches to meet the NEC code requirements for this type of space. (\$5180)
- Ran four new data lines for Sturbridge Police Department in training room. (\$11,100)
- Repair data line at the Sturbridge library. (\$300)
- Ran new WIFI drops for two locations in the Sturbridge Town Hall. (\$700)
- Ran new phone line in Sturbridge Fire Department. (\$225)
- Plated luncheon for served at the Sturbridge Senior Center for belated holiday party.
- Collected and recycled computers from town departments.

Community

- Replaced the roof at the School House and Boot Shop at OSV.
- Repair defective lighting at One Stop Auto. (\$800)
- Wire an outside shed for a residential welding station in Brimfield (\$1740)
- Wired a two car garage for Village Green Campground. (\$4480)

- Installed 2 new paddle fans and an outside light at Marcy Drive, Holland. This family had won six hours of electrical work from one of Tantasqua many events that we raffle away electrical hours. There were no lighting outlets in the two areas that she wanted to hang lights so we had to fish and snake wires from the attic to the first floor ceiling. This is a complex operation but is an important part of the electrical trade. (\$600)
- Provided cookies for the TED Foundation Champagne Brunch.
- Participated at the Bay Path Chowder Fest.
- Provided technical set-up and support to the Festival of Trees.
- Recycled materials provided by the Army Corp of Engineers to build a shed on the walking trails at OSV.
- Provided a lunch for students of the Tree Top Montessori School.
- Provided drawings for three sizes of trail kiosks. (\$600)
- Drawings for Craft Fair. (\$75)
- Shed roof for T. Chamberland. (\$75)
- Business students submitted a design for the Friends of the Titanic Trail.
- Six computers refurbished and distributed to needy families and students. (\$1800)
- Prepared a luncheon for Union 61 CFCE at the Sturbridge Federated Church.
- Food station for the Sturbridge Chamber of Commerce's annual "Chefs On The "Common".
- Competed in the Bay Path Regional Vocational Technical High School's annual Chowderfest and Chili Chow Down.
- Plated dinner banquet for the Brimfield Council on Aging at the Brimfield Elementary School for the senior citizen holiday party.
- Business students designed a logo for the Cedar Lake Association.
- Carpentry juniors built a playhouse for a young child with cancer.

We had a very successful Career Day for the grade eight students from the Junior High. Feedback from faculty, staff; and most importantly students was very favorable. The initial reports are that there is a lot of interest in the Technical Division and that many students have already pulled applications. In addition to the students, we had a great night when we presented to the parents. We had several of out-of-district students and their families at the meeting. Since that night we have had several calls from people who were unable to attend that night and we have scheduled tours for them to see the Technical Division. Based on all of this information and consideration of roll over numbers, I anticipate yet another increase in enrollment in the Technical Division that will approach or exceed 500 students.