

Learning for Life

Tantasqua Regional High School Technical Division Budget Narrative FY 21

The Technical Division of Tantasqua Regional High School supports nine Chapter 74 approved programs, which services the communities of Brimfield, Brookfield, Holland, Sturbridge, and Wales. The school facility is shared by both the traditional academic high school and the technical high school. The schedule is unique and affords students in the technical division to access a variety of courses, including art, music and advanced placement courses. Technical students attend the same classes as the academic students, in addition to their vocational-technical classes, which increase in frequency at each grade level. In addition to students enrolled in the technical school, academic division students may also enroll in a number of elective courses in the technical School.

Program	2009 -	2010 -	2011 -	2012 -	2013 -	2014 -	2015 -	2016 -	2017 -	2018 -	2019 -
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hotel/Restaurant				6	10	16	16	19	19	22	18
Business				3	6	11	20	23	21	23	22
CAD	30	30	31	37	37	46	49	54	49	52	43
Carpentry	36	36	29	33	33	35	39	40	37	39	40
Culinary	28	38	35	36	43	45	37	33	39	38	35
Computer Tech	25	27	32	24	38	40	44	44	31	30	36
Electrical	36	37	42	42	45	53	58	58	51	47	48
Manufacturing	39	36	39	35	42	41	44	41	36	32	42
Health Careers	40	48	55	57	60	63	66	66	58	58	60
Freshmen	116	105	115	132	152	136	142	122	146	148	151
Total	350	357	378	405	466	486	515	500	487	488	495

Last year we were able to secure a Skills Capital Grant in the amount of \$260,000 to upgrade equipment in Electrical, Manufacturing, and Computer Aided Design programs.. These grants help to support our programs and provide educational opportunities for our students. Technical education is expensive and when fortunate to secure grants, we are able to move our technology forward. Without these grants our needs and cost to the local budget and capital plan would be significantly higher. Over the past several years we have secured a number of these grants, which helps to purchase capital equipment. Without these grant opportunities we would be relying on the local budget and capital plan. This year's grant purchased the following items;

1. A Creaform 3D Scanner...\$32,000
2. Festo MP Automation Package...\$100,000
3. Makerbot 3D Printer...\$10,400
4. Air Energy Compressor...\$6,600
5. Staysis Objet Connex 3D Printer...\$108,000
6. Miscellaneous supplies \$3,000

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 past several years (the list includes both completed projects and anticipated projects for the 2017-2018 school year). In some cases, I have included the cost savings to either the town or the District. One of the bonuses of technical education is the opportunity to give back to our school and communities. Below is a sample of some of the projects completed by our students.

Tantasqua Regional School District

- Troubleshoot and repair the door holders for the fire walls at Tantasqua. Vendor cost \$2,900.00 cost to district \$135.00
- Wired new 3D printer in CAD. Vendor cost \$4,500.00 cost to district \$85.00
- Troubleshoot and repair outside lighting at Tantasqua. Vendor cost \$18,000.00 cost to district \$400.00
- Troubleshoot security gate by fieldhouse at Tantasqua. Vendor cost \$2,000.00 cost to district \$135.00
- Replaced lights in the school kitchen at Tantasqua. Vendor cost \$1,500.00 cost to district \$0
- Wired new outlet in dishwasher room at Tantasqua. Vendor cost \$1,000.00 cost to district \$0
- Wired new air compressor at Tantasqua machine shop. Vendor cost \$2,600.00 cost to district \$0
- Wired new video camera power at Tantasqua maintenance barn. Vendor cost \$1,300.00 cost to district \$0
- Replaced lights in the school kitchen at Tantasqua. Vendor cost \$1,000.00 cost to district \$0
- Wired new oil pump at Tantasqua outdoor oil tank. Vendor cost \$2,000.00 cost to district \$0
- Design a replacement panelboard at the Junior High School Vendor cost \$14,000.00 cost to district \$1,000.00
- Troubleshoot Kiln issue in Small Metals classroom Vendor cost \$400.00 cost to district \$0
- Added wiring for baseball cage outlet Vendor cost \$4,500.00 cost to district \$300.00
- Working on Kitchen at Tantasqua to remove and rewire all line equipment Vendor cost \$6,000.00 cost to district \$400.00
- Changed out 300 fluorescent lights at Tantasqua to LED Vendor cost \$23,000.00 cost to district \$3,000.00
- Ordered and replaced site light pole wire access covers Vendor cost \$8,000.00 cost to district \$250.00
- Replaced Site lighting time clock at JR High Vendor cost \$300.00 cost to district \$0
- Replaced GFCI outlet in Main Kitchen at Tantasqua Vendor cost \$400.00 cost to district \$0
- Wire new control at JR high gym for heat Vendor cost \$1,000.00 cost to district \$0

- Completed wiring of a new shed at the football field Vendor cost \$5,500.00 cost to district \$250.00
- Installed LED lighting at the ticket booths Vendor cost \$2,800.00 cost to district \$400.00
- Installed LED lighting at the concession stand men's and women's bathrooms Vendor cost \$2,000.00 cost to district \$300.00
- Installed wiremold style outlets in room 2104 for Smartboard Vendor cost \$1,200.00 cost to district \$0
- Removed switches in all classrooms that operated overhead monitors Vendor cost \$2,000.00 cost to district \$0
- Linux Workstation Build for Junior High (TED Grant)

- Repair work in the CAD classroom including rewiring CAT 5 computer connections. Vendor cost \$2,000.00 cost to district \$0
- WIFI drops in Rooms 2225 and 4144 of the High School Vendor cost \$1,600.00 cost to district \$0
- Built sets for both the High School musical and drama productions
- Install new WIFI at the JR. High. Vendor cost \$42,000 Vendor cost to district \$18,500
- Built rolling carts for the band equipment
- Built a storage room to house special education files
- Built a new shed for the athletic program
- Refreshments supplied to Tantasqua Senior High School's annual Freshmen Recognition Reception
- Dinner buffet served at the Cornerstone Café for Relay for Life.
- 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 for 40 pp. 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.
- Served a buffet to the MA. Student Council for 670 pp.
- Thanksgiving buffet supplied to the Central Office.
- Refreshments served to area seniors being interviewed by students for a project for Ms. St. Jean in the English department.
- Refreshments supplied to the Music Department for a holiday presentation open to the public.
- Refreshments supplied to the Tantasqua Junior High School Honors Reception for approx. 500 pp.
- Refreshments supplied to the Tantasqua Senior High School N.H.S. For approx. 200 pp.
- Installed new data connections in classroom 2158 which doubled capacity from 10 to 20.

Community

- Prepared a staff luncheon for Brimfield Elementary School
- Replace all exit and emergency signs. Vendor cost \$4,000.00 cost to district \$0
- Replace all the lights at the Hitchcock Academy with LED lights. Vendor cost \$10,000.00 cost to district \$0
- Replace and add some new LED lights at the town barn Vendor cost \$7,000.00 cost to district \$0
- Prepared staff breakfast for Brookfield Elementary
- Add 1 camera to an existing security system Vendor cost \$1,000.00 cost to district \$0
- Replace flag pole lights with an LED Vendor cost \$575.00 cost to district \$0
- rewire basement exhaust fans Vendor cost \$900.00 cost to district \$0
- Wire a new wall between 2 offices with data and power Vendor cost \$2,000.00 cost to district \$0
- Install new Police station indicator light at sidewalk Vendor cost \$3,500.00 cost to district \$0
- troubleshoot and repair bathroom exhaust fan Vendor cost \$2,000.00 cost to district \$0
- Install motion sensing flood lights at the back entrance of the town hall Vendor cost \$2,500.00 cost to district \$0
- Replace scoreboard in the Elementary school gym Vendor cost \$4,000.00 cost to district \$0
- Install new data rack at senior center and rerun cables. Vendor cost \$1,200 cost to Sturbridge \$350
- Install new TV wall mount bracket at senior center. Vendor cost \$500 cost to Sturbridge \$150
- Replace gas pump lights at DPW and a fixture at the DPW salt shed with LED fixtures. Vendor cost \$2,600.00 cost to Sturbridge \$1,200.00
- Plated luncheon for served at the Sturbridge Senior Center for belated holiday party
- Electrical students play BINGO with the seniors at the Senior Center
- Served a plated luncheon for Sturbridge Council on Aging's Veteran appreciation.
- Served a plated luncheon for a 90th birthday party.
- Install new lights and repair wiring for elderly residents in Sturbridge Vendor Cost \$900.00 cost to owner \$200.00
- Replace all outlets and switches for an elderly woman in Brookfield. Vendor cost \$3,600.00 cost to owner \$1,000
- Replaced roofing at OSV
- Participated in Bay Path Chowder Fest
- (2) Built donation workstations for community members
- Participated in Bay Path Chili Chow Down
- Provided cookies for the TED Foundation Champagne Brunch
- Supplied refreshments, and hot and cold hors d'oeuvres to the Literacy Volunteer's recognition reception held at the Southbridge Public Library.
- Designed and printed membership cards for Tantasqua Music Association
- Repaired and upgraded computers for residents of the district at no charge.
- Donated 8 refurbished computers to needy families of the district.
- (4) Laptop repairs for community members
- Provided Technical Support to Holland Community Wellness Fair

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 and we will continue to be around 500 students in the Technical Division.

Respectfully submitted,

Mark Wood
Principal-Director