



NORTH SHORE WORKFORCE BOARD

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Membership:

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Kathleen Kelly, MA Rehab
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CDC
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Sean Emberley, Danvers High School
David Gagner, Lynn Vocational Technical
Institute
Michael Goldstein/Tad Rios, YearUp

Agenda

Youth Pipeline Committee

February 6, 2020 8:00 AM

70 Washington Street, Salem - Career Center Conference Room

- I. Introductions
- II. Discussion of Objectives and Goals for FY 2020
- III. Current Youth Programs, new youth applications
- IV. Discussion: Encouraging youth to enter manufacturing and other training programs
- V. YouthBuild Update
- VI. Discussion, Next meetings

Next meetings: April 2, June 4

YOUTH PIPELINE COMMITTEE GOALS AND OBJECTIVES 2018 - 2020

GOAL 2: The North Shore WIB will enhance the career exploration and career pathway development on the North Shore by integrating and aligning education, training and employment programs, with increased input from local employers

MAJOR THEMES FOR FY2020

- Labor Market Information/Career Pathway information for young adults
- STEM- Externships, Internships and Career Exploration
- Creating opportunities for ALL youth (In-School, Out of School, ELL, WIOA, etc.)
- Coordinated information sharing-new opportunities, challenges, successes, etc.
- Increasing successful performance outcomes in all programs

Objective #1: Expand connections between secondary schools, vocational education, WIOA training vendors, workforce development and employer partners.

Activity:	Timeframe:	Benchmarks/Indicators of Success
Work with Connecting Activities network, WIOA youth training providers and employer partners to include employers in meetings/discussions with youth	2018-2020	1. Arrange Career speakers, Job fairs, and company tours for students (minimum 6 events) 2. Continue to expand Amp It Up teacher externships within our region. 3. Support Early College efforts with local school districts that promote Career Pathways.

Status:

1. 2018-19 school year goals accomplished, would like to increase number of career events.
2. 9 completed in 2019, evaluating for 2020.
3. Early college programs ongoing at SSU/Salem High as well as North Shore CC. Our YCC staff provided weekly career readiness workshops for the first half of the year (2018) and is almost through with 2019 session at Salem High. This included career speakers in critical industries. 2019 -more Early College applications in the works.

Objective #2: Increase number of work-based connections for students and teachers of in school youth and young adults (including out of school youth) that strengthen understanding for career and college requirements.

Activity:	Timeframe:	Benchmarks/Indicators of Success
Enhance work experience opportunities for out of school WIOA youth (in particular in the areas beyond summer employment that include: internships, apprenticeships, OJT's etc.)	2018-2020	<ol style="list-style-type: none"> 1. WIOA Goals met for out of school Youth Work Experience 2. Develop and pilot an IT training program for out of school youth (accomplished) 3. Outreach to a minimum of 15 employers in STEM to determine interest/capacity to hire high school interns – increase high school STEM internships to 50 in FY18 (accomplished) and 65 in FY 19 (accomplished) 4. Create and share sample job descriptions for all internships with the general public, with youth service organizations, and with employers (ongoing) 5. Continue to support YouthBuild with YPC serving as Steering Committee (ongoing)

Current Status:

1. WIOA Goals are mostly being met, lower enrollment this year due to funding cuts and vendors not meeting enrollment goals. This puts even greater pressure to ensure all youth are successful as any negative exits will hurt overall goal due to lower denominator. RFP released in March, reviews took place April 23rd. 3 applications received, all current vendors, all were approved for contracts beginning July 1, 2019.
2. IT program- Program completed, started with 8 students, 7 graduated.
3. Accomplished FY18 goal of 50 internships and 65 for FY19. Application for next grant cycle submitted 1/31, awards conferred by 2/14.
4. Sample job descriptions created to use as outreach.
5. YPC remains committed to YouthBuild and will continue to serve as Steering Committee.

Other efforts

Continue to provide easy-to-understand LMI & career pathway information to young adults
Share information between school partners and employers
Share success stories of past events in WB newsletter
Research and develop innovative ways to serve more youth with limited resources.

Program	Goal	Status 10/2019
Amp it Up/Teacher Externships	12 Teacher Externships	9 Teachers completed externships; evaluating for 2020.
STEM Internships	65 Student Internships	65 students placed Application for next grant cycle submitted 1/31 (competitive) awards conferred by 2/14.
Connecting Activities	475 students employed FY19 450 students employed FY20	544 students employed in FY19 354 to date in FY20
Summer YouthWorks	187 youth in subsidized summer employment	Application for 2020 submitted 2/3, expect to place minimum 272 youth. Summer 2018-244 youth placed Summer 2019- 258 youth placed
Summer YouthWorks Pilot C	10 youth in service learning/pre-employment	Completed Summer 2019 Replicating in 2020 with 20 youth between Girls Inc. and LEAP (now called Tier 1)
Early College (Salem HS/SSU)	50 youth annually	47+/- for 2018-19 school year, 50 for 2019-20 school year Youth Career Center/WB provided weekly career readiness workshops and guest speakers
F1rstjobs	500 youth in summer employment	Summer 2018- 535 youth placements Summer 2019 569 youth placements
Year Round YouthWorks	23 youth	Applications submitted 2/3 (competitive) Option A: Occupational skills training for 8 youth Option B: Subsidized employment for 15 youth

Advanced Manufacturing Training Expansion Project – new partnership with the General Electric Foundation

- Large and growing industry
- High Wages
- Great Career Paths for many different education levels
- Older workforce with large number of anticipated retirements
- Could benefit from diversification
- GE Foundation funding at \$2.5M for Phase 1 with continuation for another \$3M for Phase 2 if successful – focus on North Shore manufacturing skills gap
- The program aligns with Governor’s WSC goals
- Increase high school and adult learning – triple and sustain training footprint with 900 students over five years
- seek out non-traditional manufacturing learners from Lynn and entire North Shore
- Educational partners – LVTI/E-Team; Essex Tech; Gloucester High; North Shore Community College
- North Shore Career Center responsible for student support
- NAMC/North Shore WB implementation lead

Course	Hours	Description
Math & Machining Highlights	25-30	Fundamentals of fractions, industrial geometry and trigonometry
Metrology & Inspection	10	Basic measurement skills, system calibration, inspection equipment: dial calipers, micrometer, height gauge
Blueprint Reading , GDT, & Solid Works	35-40	Machine shop blueprint reading, dimensioning and tolerancing, basic intro to Solid Works
Master CAM – 5 hours	5	Overview of Master CAM, computer aided design and computer aided manufacturing. Students will learn how Master Cam creates CNC (Computer Numerical Control) programs
Machining – 160-180 hours Lab*	170	Students will learn to conduct job hazard analysis for conventional mills and lathes, develop math skills for machine tool operations, perform preventive maintenance and housekeeping on conventional mills and lathes, select work holding devices for mills, lathes and other machine tools, calculate feeds and speeds, remove material using milling and turning processes, align milling head, use a vertical mill to center drill, drill and ream holes, change tools and tool holders on milling machines, and maintain saws and grinders <ul style="list-style-type: none"> - 80 hours of CNC (programming, set up and operation of CNC lathe and mill) - 10 hours of saw cutting, deburring, heat treating and finishing - 40 hours of manual milling operation - 40 hours of manual lathe operation
OSHA Safety & Cert	15	Recognition, avoidance, abatement and prevention of safety and health hazards in workplaces.
NIMS Certification	40-55	National Institute of Metalworking Skills CNC Milling Operator. Test preparation includes applied mathematics, cutting tool assembly, GD&T, inspection, machine maintenance, machine safety, machining applications, measurements, operations, and print reading
TOTAL HOURS	300-325	Total hours vary from VOC schools