



**GO TEEC**

Great Opportunities in Technology and Engineering Careers



***“The single most important thing we need to do is develop talent pipelines and I use the word talent not workforce deliberately.” ...  
“The hardest part is putting in a frontend that can get more people interested in going through the credentialing and degrees who are willing to stay in the state and take the jobs and we’re not spending any effort on that. Individual companies are, but by and large, we’re not doing that systematically.”***

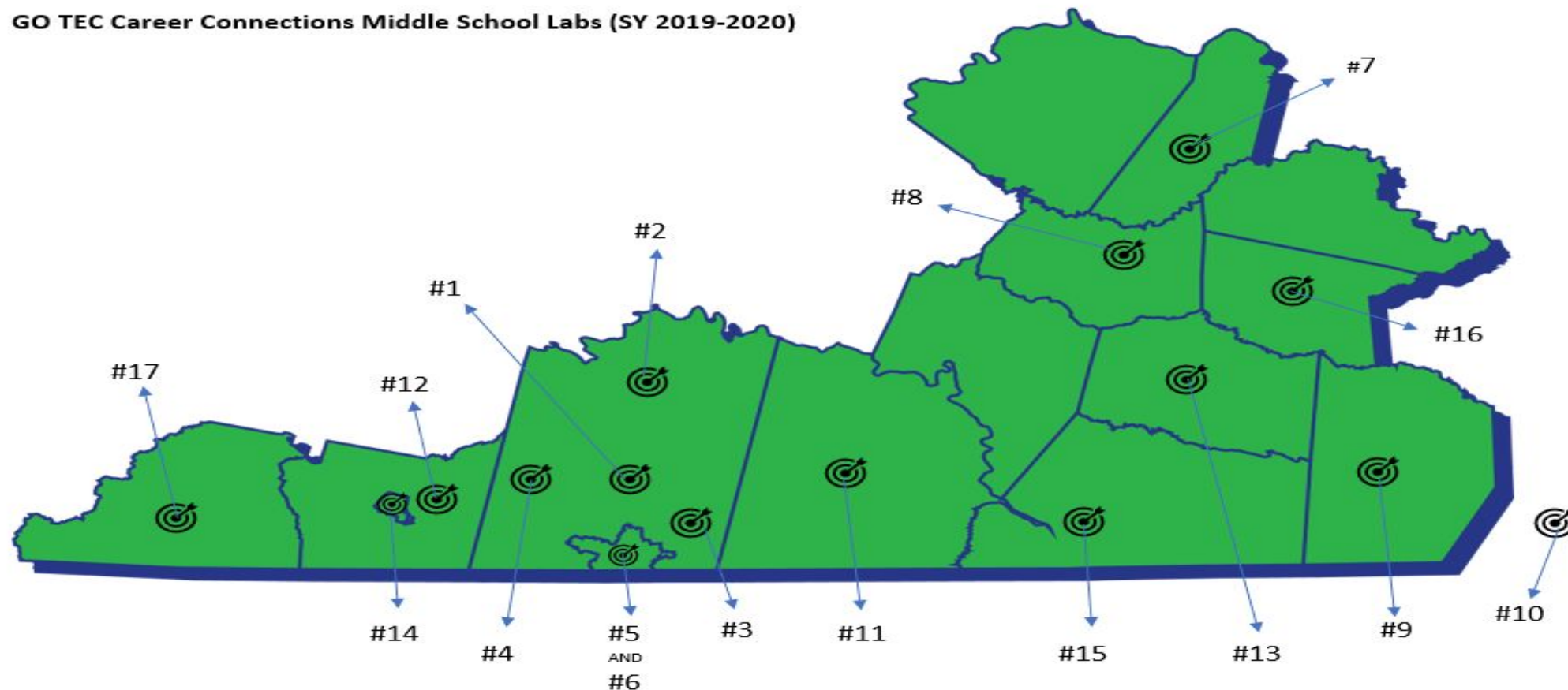
***—John O. “Dubby” Wynne, Former Chairman,  
GO Virginia Board***

# GO-TEC “hub and spoke” Model

*Training model for Advanced Manufacturing; Welding; Precision Machining; Advanced Materials; and Automation, Robotics, and Mechatronics – each focus area begins in middle school with introduction of career pathways and continues through to advanced level training.*

- Career Connections Labs
  - Middle School Career Pathway exploration
- Foundational Training (*spoke*)
  - Dual Enrollment
  - Non-credit certificate and credential offering
  - First year of a 2 year degree
- Community College/HECs (*spoke*)
  - 2 year degree completion
- Advanced “*hub*” training
  - Extraordinary, advanced level training
  - Stackable industry-recognized credentials

**GO TEC Career Connections Middle School Labs (SY 2019-2020)**



**PHASE ONE**

- 1 – Chatham Middle
- 5 – O.T. Bonner Middle
- 6 – Westwood Middle

**PHASE TWOA**

- 2 – Gretna Middle
- 7 – Cumberland Middle
- 8 – Prince Edward Middle

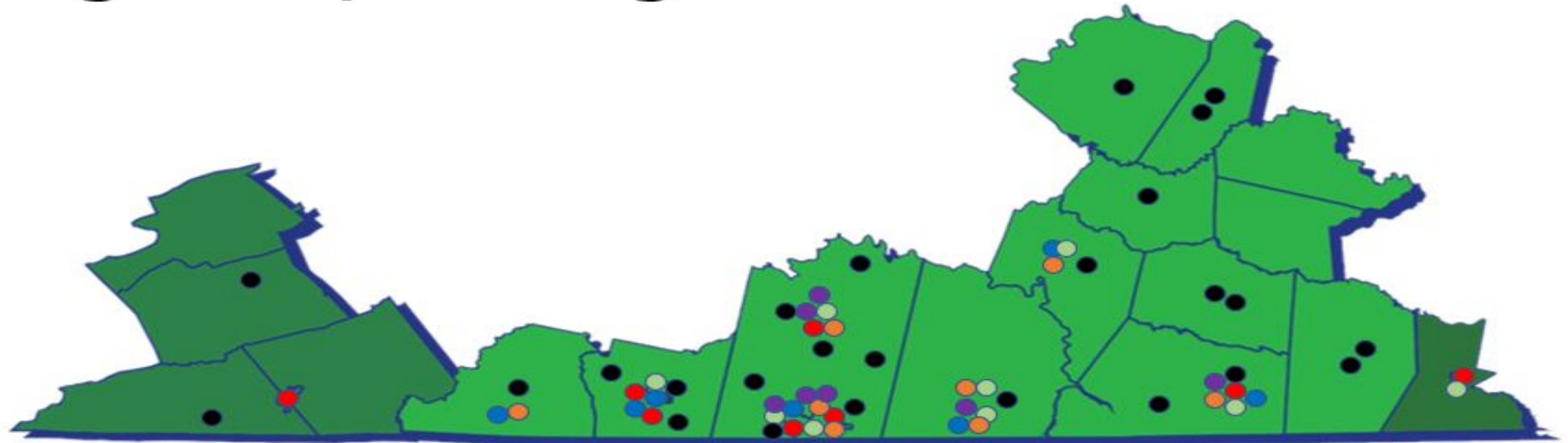
**PHASE TWOB**

- 3 – Dan River Middle
- 4 – Tunstall Middle
- 9 – James S. Russell Middle
- 10 – E.W. Wyatt Middle
- 11 – Halifax Middle

**PHASE TWOB**

- 12 – Laurel Park Middle
- 13 – Lunenburg Middle
- 14 – Martinsville Middle
- 15 – MCPS
- 16 – Nottoway Middle
- 17 – Patrick County High

# Region 3 Spoke Programs



**K-12 Dual Enrollment programs include Gretna HS, Tunstall HS, Chatham HS, Pittsylvania County CTC, Dan River HS, George Washington HS, Galileo HS, Greenville County HS, Brunswick Senior HS, Bassett HS, Magna Vista HS, Martinsville City HS, Bluestone HS, Park View HS, Randolph Henry HS, Halifax County HS, Central Senior HS, Cumberland HS, Patrick County HS, Wythe County Technology Center, Grayson County CTE (black dots).**

**Higher Education SVHEC, SVCC, LCAKC, DCC / IALR, PHCC, NCI (colors dots correlate to program focus area).**



## Region 3 Hub Programs



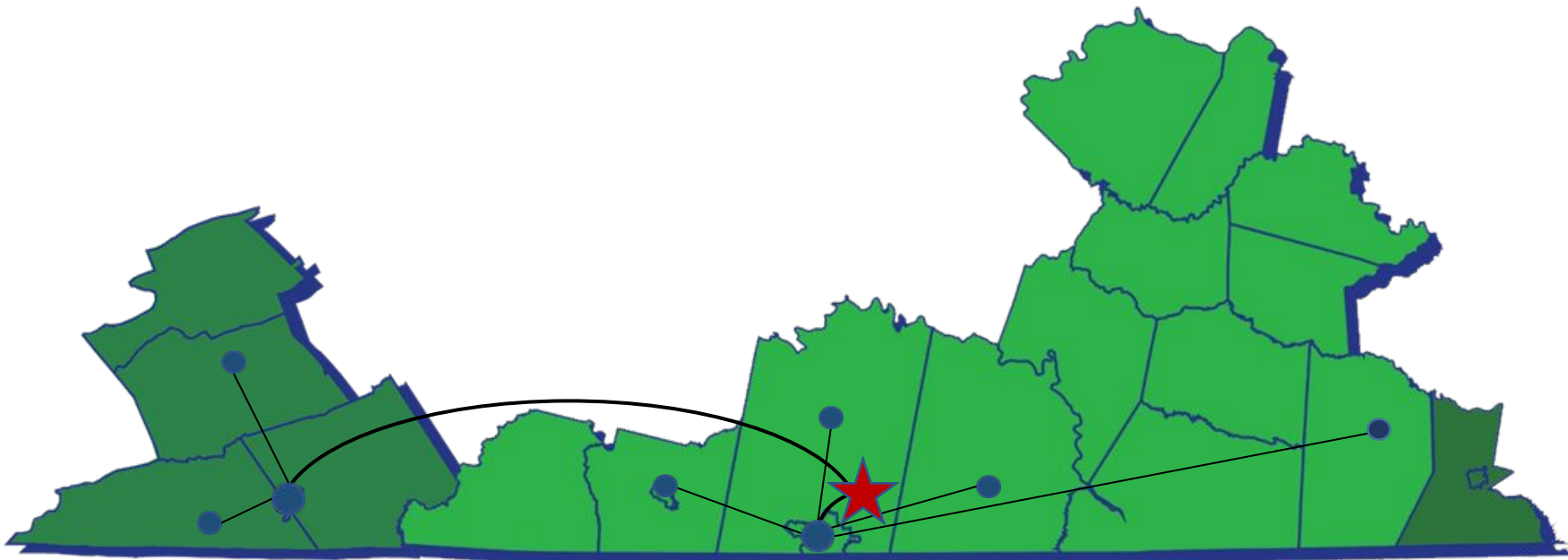
- Precision Machining (1): DCC / IALR (red)
- Advanced Materials (2): PHCC / NCI / VWC (dark blue)
- Welding (5): PHCC (2) / SVHEC (2) / SVCC (light green)
- Mechatronics / Automation (3): PHCC / DCC / SVHEC (orange)
- IT / Cyber (2): DCC / SVHEC (purple)

## Hub

Gene Haas Center for Integrated Machining Technology – DCC/IALR

## Spokes

- Pittsylvania County Career and Technical Center
- George Washington High School
- Southside Virginia Community College
- Southern Virginia Higher Education Center
- Patrick Henry Community College
- Wytheville Community College
- Wythe County Technology Center
- Grayson County Career & Technical Education Center



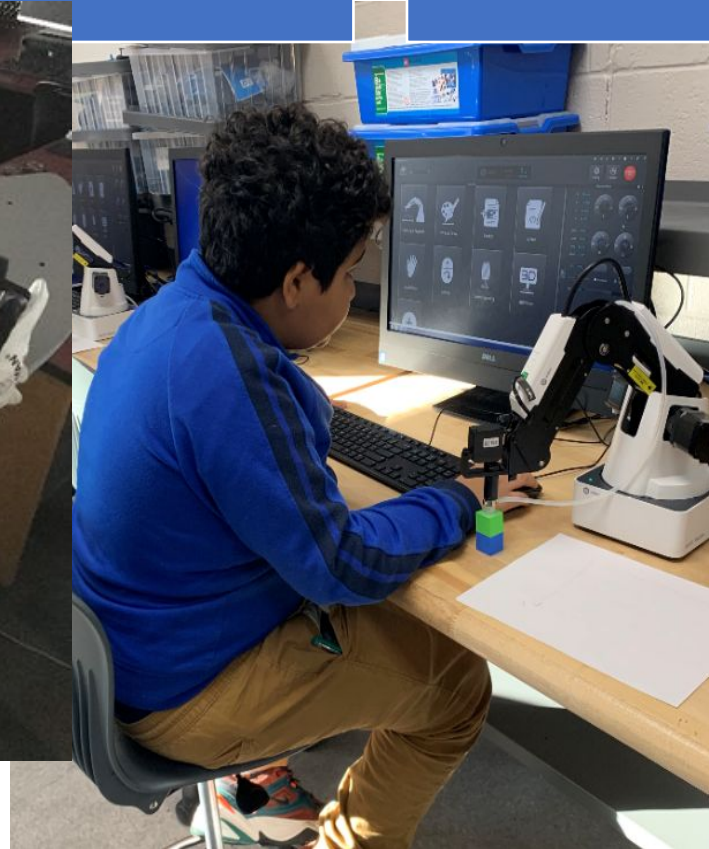
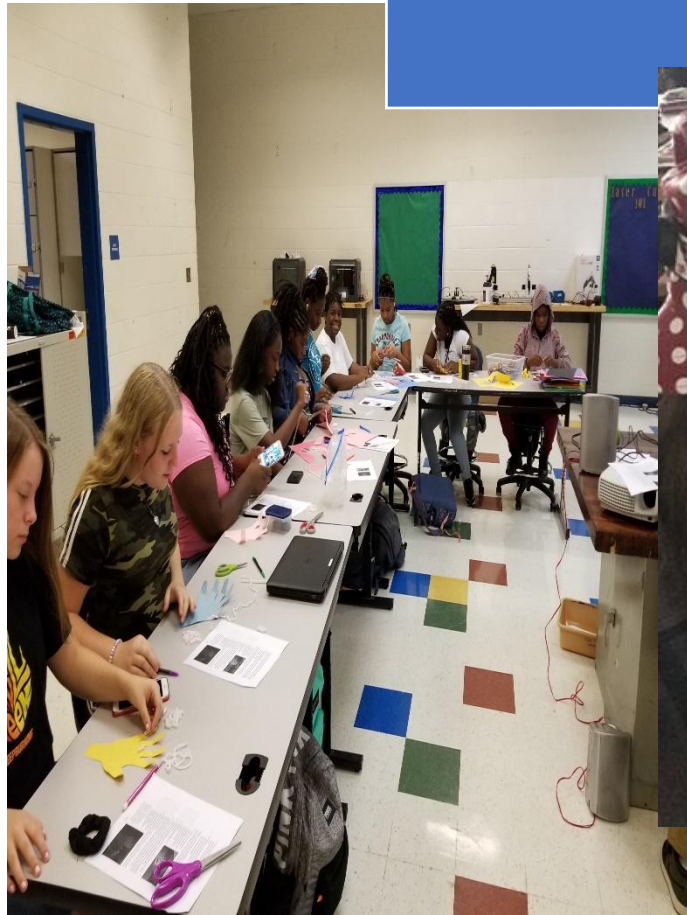
# Career Connections Expansion: *Sustainability Strategy*



17 total CC labs

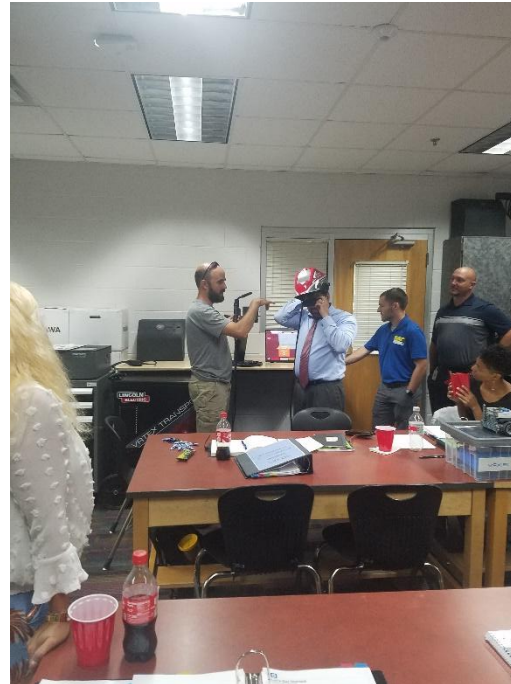
13 School Divisions

Capacity for 7,000+  
middle school students





# Teacher Training Academy



## •GO TEC Board

- GO TEC Staff (IALR)
- (non-voting; admin support)
  
- Higher Ed
- Partners (7)
  
- K-12 Representatives (7)
  
- Industry Representatives (7)

# GO TEC Program Data

- Students Trained: **1526**
  - 1192 currently in Middle School Career Connections
  - 33 currently in CTA (IT / Mechatronics / WBL)
  - 19 DE & non-DE in Welding at Patrick County HS
  - 22 at NCI in GO TEC related programs
  - 260 at SVCC in GO TEC related programs (welding, electricity / HVAC, mechatronics, machining)
  - 101 enrolled in DE programs (33 CTA / 6 PHCC / 60 SVCC / 2 NCI/JMU)

# GO TEC Program Data

- New Programs:        5
  - Patrick County HS Welding
  - PHCC Precision Machining
  - GO TEC Career Connections Labs (PECMS, GMS, CMS)
  
- New Credentials:    2
  - Patrick County HS – Welding (CSC)
  - PHCC – Precision Machining (NIMS Measurement, Materials, & Safety)



Let's take a look at some middle school students engaging in the GO TEC program...



*Thank You!*

**Questions?**

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