



CLAY EDUCATION
FOUNDATION

Helping Students & Supporting Educators

Makayla Buchanan

Strengthening our Community



- . We work directly with educators and administration to develop programming
- . We invest in 3 key areas to improve public education:
 - Educators
 - Literacy
 - Innovation



Educators

Clay Teachers LEAD & Teacher and School Related Employee of the Year



Tools 4 Clay Schools



NEW! Permanent Location



[Administration](#) ▾ [Store Operations](#) ▾ [Teacher Options](#) ▾

Schedule Store Visit

Join us for the first shop out of the new Tools 4 Clay Schools Store on
January 4th!

We look forward to serving you!

Available Shopping Dates

Store Hours

Select your Teacher/Substitute

Makayla Buchanan

[Add Shopping Visit](#)

[Back](#)



Literacy

alligator





STEM Education

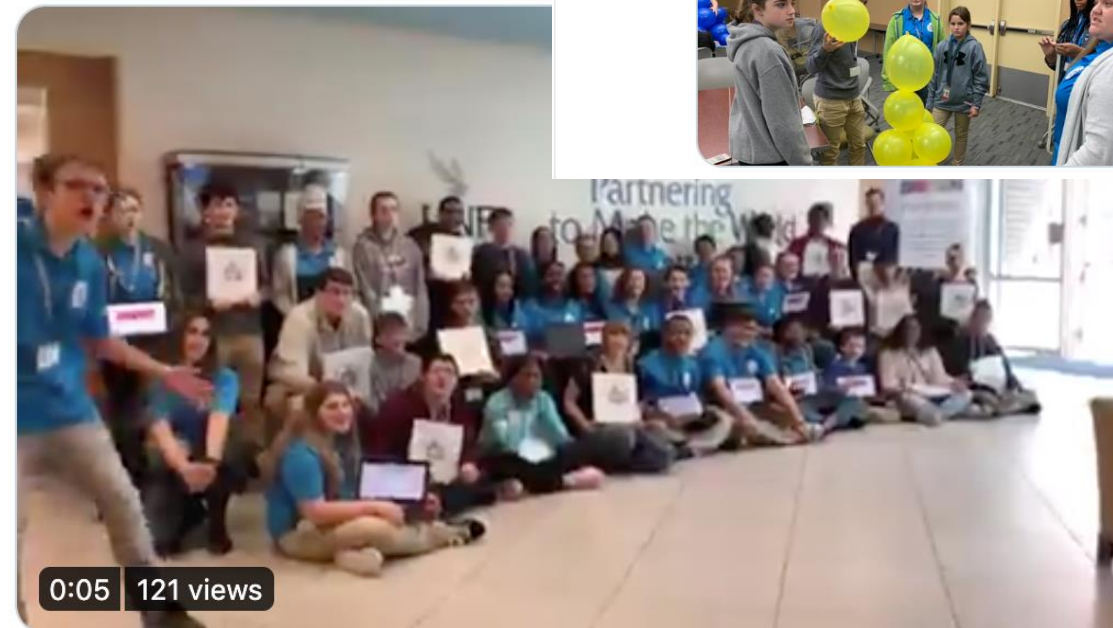
Chief Science Officers



- Trained and pinned the first Chief Science Officers in Clay County – 7 schools (2020)



Kathleen Schofield @_KathySchofi
Student Leaders in STEM! Thank You for bring the @ArizonaCSOs program to us! @oneclayscience, @AddisonGDavis @GovRonDeSantis, @SenRickScott @NEFLSTEM2, @CefClay



Chris Okamoto @oneclayscience · Feb 2
Engineering design challenge: Build the tallest and most structurally sound balloon tower. Stylish yet functional. @oneclayschools @CefClay @NEFLSTEM2



Ending the Digital Divide



- In partnership with Northeast Florida STEM2Hub (501c3), we are "ending the digital divide" for students in Clay County that do not own computers of their own
- 100 students received computers during the 2019-2020 school year



Space Mail





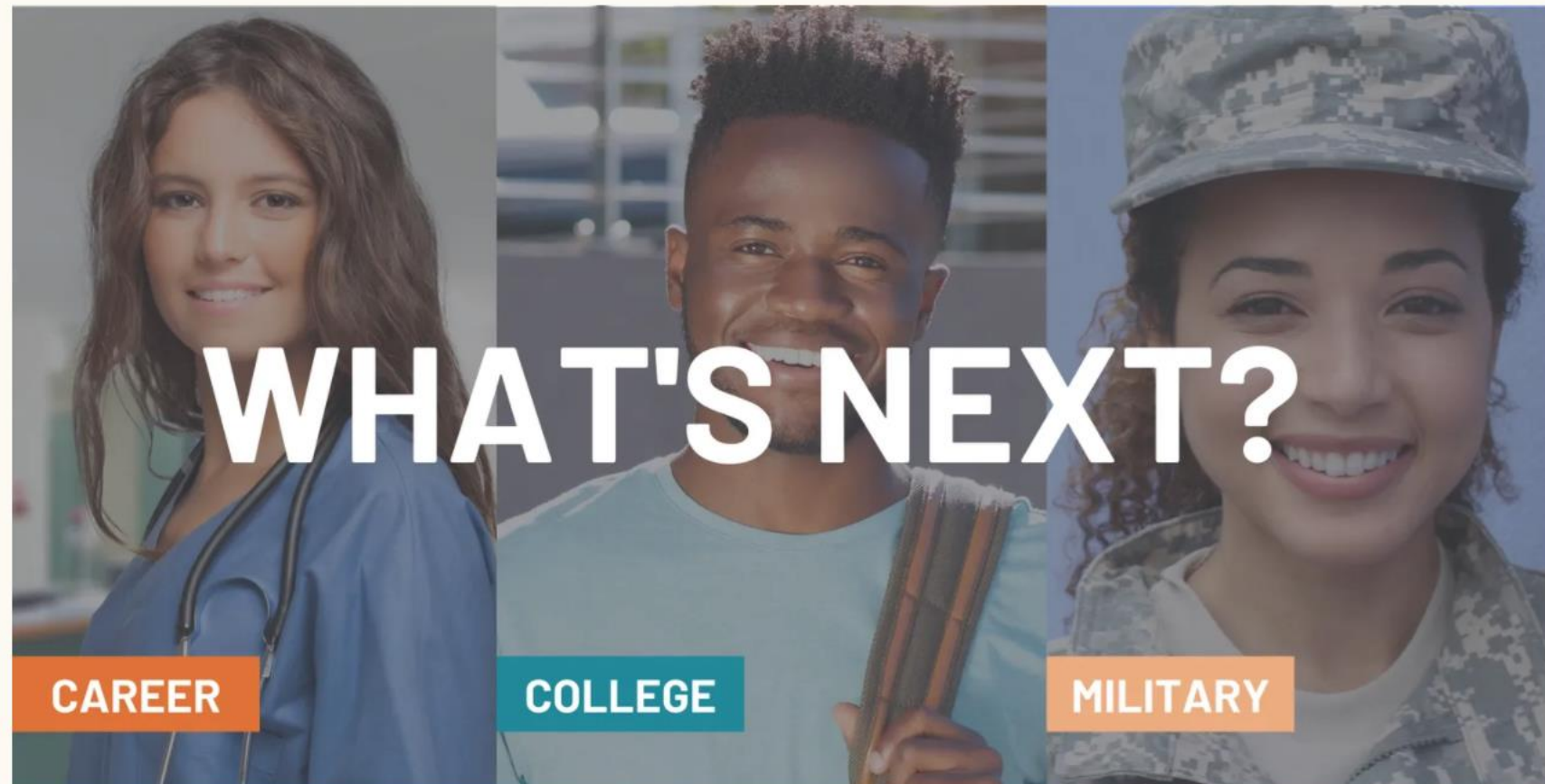
What's Next?

Building the STEM Talent Pipeline



Drones, & Cybersecurity, & A.I...Oh My!





Career Pathways



Scholarships



Request Feedback



Advanced Manufacturing

Advanced Manufacturing Consists of: Agribusiness, Aircraft & Aviation Components, Aerospace & Defense Maintenance & Repair, Metal Products & Machinery, and Defense Technologies.

The region’s well-trained workforce is growing and will continue to outpace the U.S. average over the next decade, especially in areas of maintenance, repair and overhaul (MRO) and device manufacturing.

**FAST
FACTS:**

34,043
EMPLOYED IN SECTOR
IN THE REGION

66,551
AVERAGE WAGE PER
WORKER

1,181
MANUFACTURING
ESTABLISHMENTS IN
THE REGION

SOURCE: JOBSEQ 2019

Career Pathways

Requires high school diploma with CTE classes taken in related field, MSSC certificate, or company-sponsored apprenticeship*.

First

Job

Avg. Annual Salary

Team Assemblers

\$30,600

Inspectors, Testers, Sorters, Samplers and
Weighers

\$42,800

Machinists*

\$43,200

Aircraft Mechanics and Aircraft Service Technicians*

\$54,000

Aircraft Electrician*

\$62,156

Training Pathways

First

Middle and high school training and career & technical education programs

Career & Technical Education Program	Certificates	School
Aerospace Academy		Oakleaf High
Engineering	Autodesk Inventor	Orange Park High
Robotics		Oakleaf High, Orange Park High
Welding	American Welding Society (AWS) Certificate	Orange Park High

Next

Certificates, technical programs, or 2-year (Associate in Science) degree programs

Training Programs	School
CNC Machinist/Fabricator	FSCJ
Advanced Manufacturing (Automation)	FSCJ
Engineering Technology Support Specialist	FSCJ, St. Johns River State College

Later

Bachelor's, master's, or doctoral programs

Training Programs

School

Applied Engineering (AS)

Keiser University

Bachelor of Business Administration

Keiser, Jacksonville University, Edwards Waters College

Bachelor of Business Management

University of North Florida

Mechanical. Electrical Engineering

University of North Florida

Supervision and Management

FSCJ

Organizational Leadership, MS

Jacksonville University

Business Administration, MBA

Keiser University, University of North Florida

Advanced Manufacturing Companies in the Region



**NORT
GRU**



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