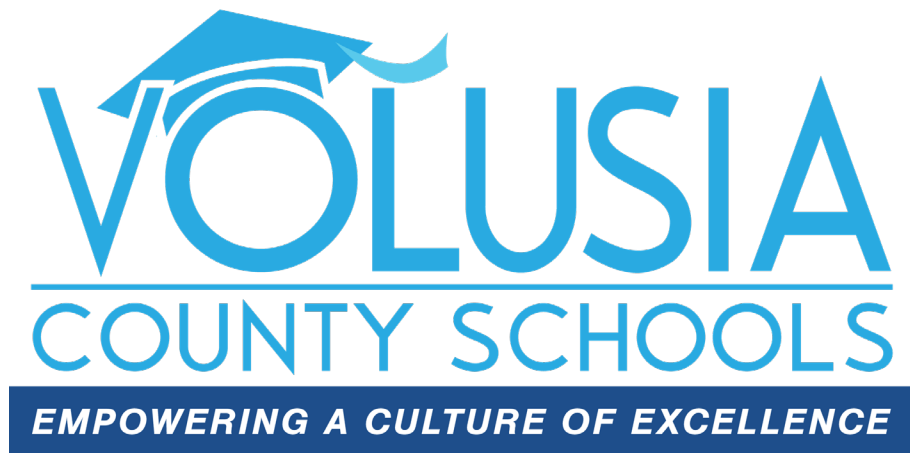




Building Tomorrow's Workforce

Preparing Students for High Demand Careers

December 4, 2024



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Building Tomorrow's Workforce

This presentation aligns to the following goals as part of the Volusia County Schools 2024-2027 Strategic Plan:

- Goal: All Students will engage in high levels of learning EVERY day.
- Guardrail 1: Recruit, support, develop and retain high-quality staff.
- Guardrail 2: Provide conditions that enhance student learning.
- Guardrail 3: Improve operational efficiency and maximize resources to support student learning.
- Guardrail 4: Ensure high-quality community engagement with all stakeholders.



CTE Mission & Vision

Mission Statement

- Equip students with the skills, knowledge, and experiences to thrive in high-skill, high-wage, in-demand careers.

➤ Vision Statement

"Empowering students through high quality programs and partnerships."



CTE Goal & Objectives

➤ Goal

- To foster innovation, adaptability, and career readiness, bridging the gap between classroom learning and the evolving workforce.

➤ Objectives

1. **Strategic Growth:** Realignment and expansion of programs and career academies in high skill/high wage, in demand fields.
2. **Workforce Ready Credentials:** Strengthen alignment between educational programs and career-relevant industry certifications.
1. **Community Partnerships:** Foster meaningful and immersive engagement with local business and industry to enhance student success.



CTE Summary

15

CAREER CLUSTERS

56 CTE Programs
37 Career Academies
100 CTE Honors Courses

29

CAREER DUAL ENROLLMENT

Articulated Programs with
DSC & ERAU

1700+

***WORKBASED LEARNING**

1,600+ On-the-Job Training
110+ Career Academy Internships
25+ Clinical Rotations
620+ Job Shadowing
100+ Pre-Apprenticeships

120

INDUSTRY CERTIFICATIONS

99% of CTE Programs Offer at Least 1 Industry
Certification
**6,000+ industry Certifications Earned

64

MIDDLE SCHOOL TO HIGH SCHOOL CAREER PATHWAYS

53 Courses in 12 Career Clusters

500+

COMMUNITY PARTNERSHIPS

340+ Career Academy Advisory Board Members
300+ Business Partnerships
2 Exclusive Partnerships (*Tortugas & AdventHealth*)
3 LAUNCH Branch Credit Unions on High School
Campuses



Strategic Growth

- ▶ CTE has shown impressive growth in the last 4 years, expanding opportunities for students in programs, honors courses, career academies, career pathways, and industry certifications.

CTE	21-22	22-23	23-24	24-25
Programs	48	53	54	56
Honors Courses	74	83	98	100
Career Academies	19	21	27	37
Career Pathways	23	34	62	64
Industry Certifications	21-22	22-23	23-24	24-25
• Certifications Offered	32	70	118	120
• Students Tested	4784	7748	10476	TBA



Strategic Growth

- **Expansion of Skilled Trades Programs:** Added new programs annually since 2021.
- **Focus on High Skill/High Wage Programs:** Adding programs in high-demand areas.
- **Increase Industry Certifications:** Boosted certifications by **71%** from 2023-24 to 2024-25, enhancing college and career readiness.
- **Certification Alignment:** Achieved **99%** alignment of CTE programs with at least one industry certification.



Strategic Growth

- **Secure Seed and Sustainability Funding:** Acquiring resources to launch and maintain CTE programs, ensuring their long-term impact and growth potential.
- **Upgrade Technology for Industry-Standard Labs:** Ensuring CTE labs and equipment meet industry standards, providing students with up-to-date, real-world skills.
- **Strengthen Career Pathways:** Increased middle-to-high school career pathways by 88% to support seamless transitions with accelerated high school options.
- **Business Partnership Engagement:** Increasing special events to strengthen community and industry partnerships.



New Programs

2025 – 2026

Welding

- Training in metal fabrication, safety practices, and welding techniques.

Advanced Aerospace and Aviation Maintenance

- Training in aircraft systems, diagnostics, repair techniques, aerodynamics, propulsion systems, and avionics.

Environmental Water & Reclamation Technology

- Training in sustainable water use, treatment processes, and environmental conservation.

Cloud Computing

- Training in essential cloud infrastructure and computing skills.

Medical Lab Assisting

- Training in laboratory procedures and patient diagnostics.

Tentative/Planning Phase



Career Academies

➤ Planning for NEW Career Academies for 2025-26

SCHOOL	ACADEMY
Atlantic High School	Automotive Academy
Deland High School	Agribusiness & Leadership Academy
Deltona High School	Academy of Video Technology & Communications
Mainland High School	Electrical & Technology Academy
New Smyrna Beach High School	Academy of Marketing
Pine Ridge High School	Academy of Finance
Seabreeze High School	Academy of Digital Design
Spruce Creek High School	Digital Video Academy
Taylor Middle/High School	Academy of Agriscience
University High School	Culinary Academy

Tentative/Planning Phase



Career & Technical Education *Entrepreneurship*

➤ **Network For Teaching Entrepreneurship (NFTE)**

- Global educational nonprofit focused on bringing the power of entrepreneurship to youth in low-income communities.
 - *Available at all 10 high schools*
 - *Taught through Business Ownership, Marketing, and Business Administration courses*
 - *Teachers participate in a 3-day trainings*
 - *Offer annual student competitions for entrepreneurship education*
- NFTE Pitch Student Competition
 - Spring 2025 (Date TBD)





Career & Technical Education *Community Partnerships*

➤ **Strengthen Partnerships for Student Success**

- Build strategic partnerships to prepare students for high-demand careers.
- Expand collaboration with local industry for enhanced learning experiences.
- Align CTE programs with workforce needs through real-world opportunities.
- Foster connections that benefit students, schools, and the local economy.





Career & Technical Education

Community Partnerships

- **School Based Enterprises:** Student-run businesses that provide real-world experience in a controlled, educational environment.
 - Example. *LAUNCH Credit Union branches at UHS, SCHS & PRHS*
- **Credentials and Advanced Credits:** College accelerated credits and industry credentials through targeted, real-world training and coursework.
 - Example: *AHS aerospace academy and ERAU dual enrollment*
- **Sponsorships and Contracts:** Sponsorship of specific programs, providing financial support, resources, and expertise. Contract outlining mutual responsibilities and objectives to enhance educational programs.
 - Example: *AdventHealth sponsorship of CTE health science programs*





Community Events

- **Industry Bus Tour with Superintendent**
 - WEST - September 30, 2024
 - EAST - November 4, 2024
- **1st Annual Workforce Expo**
 - October 29, 2024
- **Soft Skills Summit**
 - November 12, 2024
- **HS Showcase**
 - December 12, 2024
- **CTE Month Activities**
 - February 2025
- **Ongoing Outreach**
 - All civic and community organizations and events





HS Showcase

19th ANNUAL HIGH SCHOOL SHOWCASE
FIND YOUR CAREER PATH!...

PARENTS & STUDENTS
The High School Showcase is an opportunity for 7th and 8th grade parents and students to learn about programs and career academies available at each Volusia County High School.

Volusia County Fairgrounds
Tommy Lawrence Arena
3150 E New York Ave, DeLand, FL 32724
Thursday, December 12, 2024
5:30 PM – 7:30 PM
Come Join Us!
For more information please contact your school counselor

SCAN the CODE FOR MORE INFORMATION!

CTE **VOLUSIA COUNTY SCHOOLS**

- 7th and 8th grade parents and students learn programs and career academies in high school.



Contact Information

➤ **Dr. Kristin Pierce, Coordinator, CTE**

- Phone Number: 386-734-7190 x20640
- Email Address: kbpierce@volusia.k12.fl.us

