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Graduation Rate and College and Career Readiness

February 2021

Together, We are Stronger

Goal 1

High-Quality Instruction - Engage ALL students in high levels of learning EVERY day

Ensure every student receives high-quality, equitable, standards-based curriculum and instruction that is consistent throughout the district.

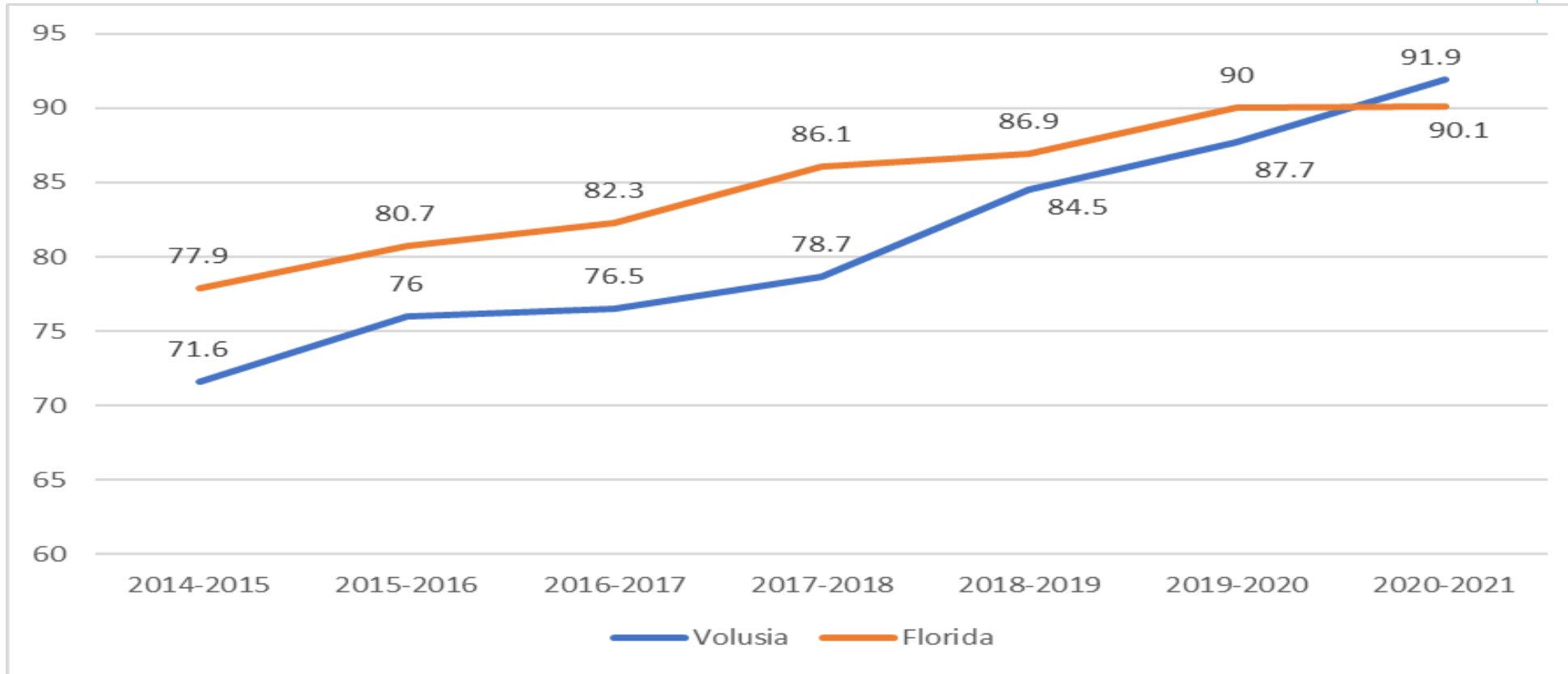
Metrics of Success		
District Grade	Graduation Rate	College and Career Ready Acceleration Rate
Improve 57% (SY 19-20) to 62% (SY 22-23)	Increase 87.7% (SY 19-20) to 90% (SY 22-23)	Increase 49% (SY 19-20) to 60% (SY 22-23)

Graduation Rate Highlights

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- **VCS Graduation Rate had a 4.2% increase to 91.9%**
- Highest graduation rate in Volusia County School history
- Surpassed the state average of 90.1% by 1.8%
- **Deltona High School** had the highest graduation rate at **96.8%**
- **University High School** made the largest gain from 81.7% in 2019- 2020 to **92.2% in 2020-2021**

Graduation Rate Increase Over The Years (Comparison to State Average)



This year Volusia County also had significant growth in all ESSA populations as defined by the Florida Department of Education:

- Black graduation rate **increased by 6.3%**
- White graduation rate **increased by 4.4%**
- Hispanic/Latino graduation rate **increased by 1.7%**
- At-Risk graduation rate **increased by 6.3%**
- Economically Disadvantaged graduation rate **increased by 5%**
- Students with Disabilities graduation rate **increased by 4.5%**
- ELL graduation rate **increased by 1.8%**

Three Year Comparison of Graduation Rate by School

School Name	All Students				
	2020-2021		2019-2020		2018-2019
VOLUSIA	91.9	4.2	87.7	3.2	84.5
DELTONA HIGH SCHOOL	96.8	2.8	94	6.4	87.6
PINE RIDGE HIGH SCHOOL	90.9	0.7	90.2	6.8	83.4
DELAND HIGH SCHOOL	96	5.5	90.5	1.2	89.3
T. DEWITT TAYLOR MIDDLE-HIGH SCHOOL	90.8	3.1	87.7	3.9	83.8
UNIVERSITY HIGH SCHOOL	92.2	10.5	81.7	-0.5	82.2
ATLANTIC HIGH SCHOOL	91.5	3.6	87.9	2.8	85.1
MAINLAND HIGH SCHOOL	88.4	3.5	84.9	-0.3	85.2
SEABREEZE HIGH SCHOOL	92.1	2.5	89.6	0.7	88.9
NEW SMYRNA BEACH HIGH SCHOOL	96.1	2.7	93.4	8	85.4
SPRUCE CREEK HIGH SCHOOL	93.5	-0.6	94.1	0.2	93.9

Student Supports and Strategies That Positively Impacted Graduation Rates

- ▶ Teachers
- ▶ School Counselors
- ▶ SEL
- ▶ Standards Based Instruction
- ▶ SAT School Day
- ▶ ACT-NCR
- ▶ Khan Academy
- ▶ Impact Lab
- ▶ E-Learning Labs
- ▶ Tutoring (Before, During and After School)

VCS Advanced Programs Highlights

- ▶ **College and Career Readiness Rate TBD**
- ▶ **170 Daytona State College AA Degrees (2021 Graduating Seniors)!**
- ▶ **41 Enrolled ATC Students Fall 2022**
 - ▶ Automotive Collision
 - ▶ Construction
 - ▶ Culinary
 - ▶ Welding
- ▶ **Embry Riddle Partnership School Planning Phase**

New VCS CTE Programs

- **Pathways Grant for \$531,457 awarded for HVAC Program**
 - **Pine Ridge High School** (launched Fall 2021)
 - Over 160 students signed up
- **Pathways Grant for \$567,293 for Electrical Program Awarded!**
 - 4-year program at **Mainland High School** (Fall 2022)
 - 2-year program at **Taylor Middle-High School**, with the opportunity to be a part of an official pre-apprenticeship (Fall 2022)

2021 IB Results

VCS International Baccalaureate Students Receive Scores on Annual Assessments

IB is a rigorous, pre-university course of study for academically motivated students, who can earn college credit by completing IB courses and passing exams in six subject groups.

- **IB is offered at Spruce Creek High School and DeLand High School** with students county-wide eligible to apply to the program.
- Volusia County Schools students in the International Baccalaureate (IB) Diploma Program **received a 93.79% average pass rate** for Spring 2021 assessments.
- This year, VCS students had a total of **1,659 IB scores reported in 34 assessed subject areas**.
- Students had a 93.79% average pass rate for Spring 2021 assessments which is a **13.54 % increase** from the Spring of 2020 school year.

IB Results 2021 Continued

DeLand HS

- ▶ 352 IB scores reported in 23 assessed subject areas
- ▶ **89.49% pass rate** on IB assessments

SCHS

- ▶ 1,307 IB scores reported in 28 assessed subject areas
- ▶ **94.95% pass rate** on IB assessments

VCS-Embry Riddle Aeronautical University Partnership School Concept

- ▶ Campus Located near ERAU
- ▶ State of the Art Learning Center
- ▶ Real-world student learning experiences and applications
- ▶ Dual Enrollment Opportunities
 - ▶ On-Campus/Online Options
 - ▶ Aeronautical Mechanical Program (AMP)
 - ▶ Local Internships and business partnerships
- ▶ STEM Related College and Career Pathways
- ▶ Scholarship Opportunities



Current Course Options

- ▶ 2022-2023 Program of Studies
 - ▶ Graduation Requirements
 - ▶ AP Courses
 - ▶ Dual Enrollment Courses
- ▶ Current ERAU Dual Enrollment Courses
 - ▶ Private Pilot Operations
 - ▶ Unmanned Aircraft Systems
 - ▶ UAS Ops and XCountry Data Entry



Potential ERAU Dual Enrollment Programs

- **Flight:** for those students who wish to combine a maintenance background with the qualifications of a commercial pilot.
Note: the flight program is at maximum capacity, therefore the flight concentration is not currently available.
- **Maintenance Management:** for those who wish to use their maintenance skills as a platform for advancing into a management position in one of the many aviation maintenance environments.
- **Safety Science:** this area of concentration combines both industrial and aviation-specific safety courses which prepare students for a rewarding career path.
- ***New, Available in Fall 2019* Avionics Cybertechnology and Security:** this cutting-edge area of concentration will prepare students to answer the importance of aerospace connectivity and data security.
- **Aerospace Science**
- **Airforce ROTC (Dual Enrollment)**

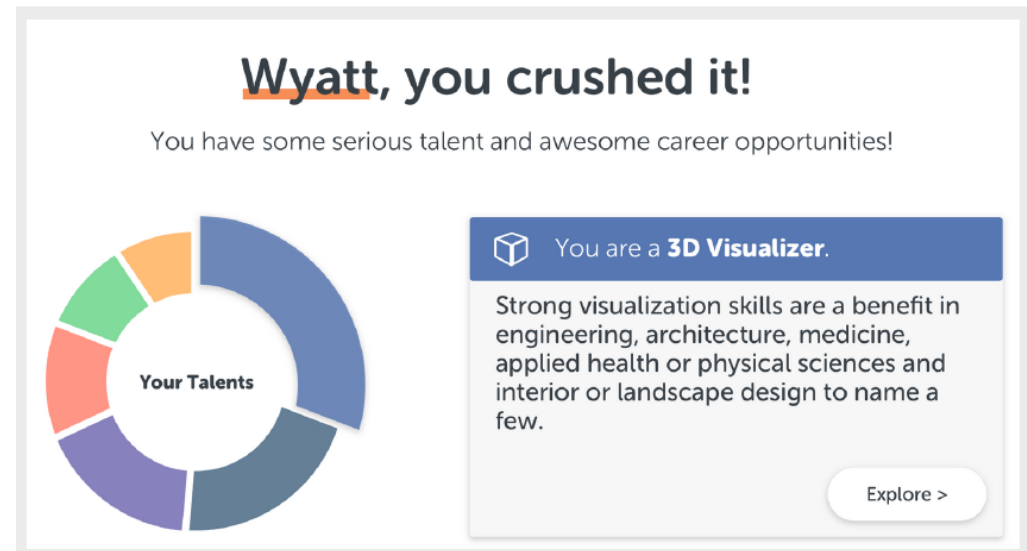
YouScience at VCS!

What is YouScience?

YouScience gives students hope, relevance, and direction by expanding their vision of opportunities.

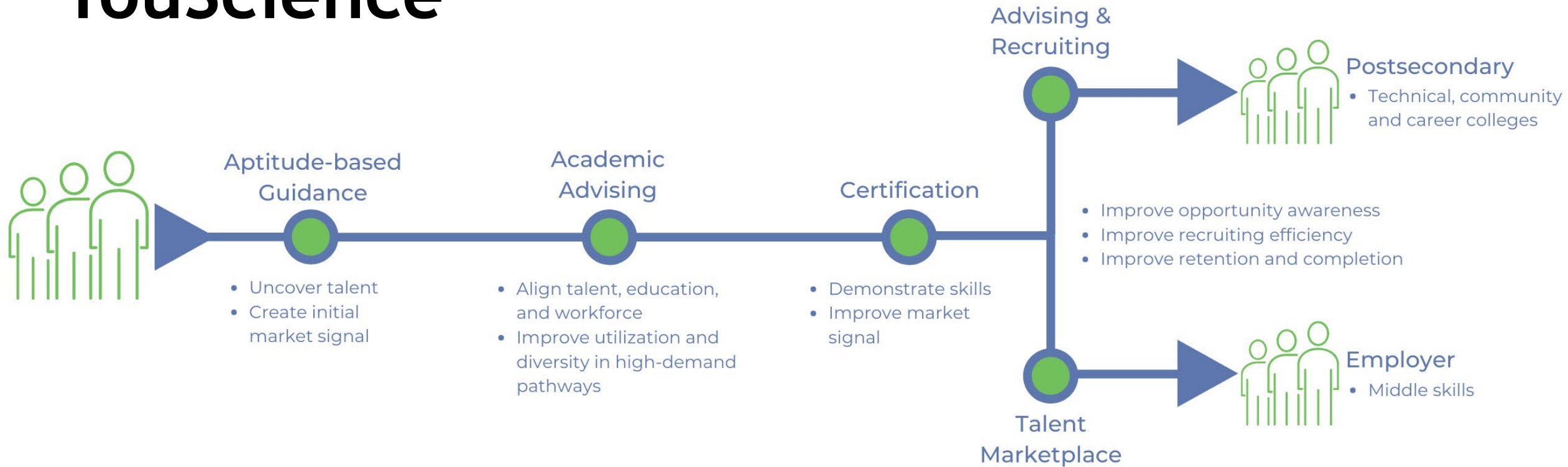
Unlike traditional interest surveys, YouScience uses fun, engaging 'brain games' to capture real measures of aptitudes (natural abilities most important to career choice).

YouScience then translates those talents into real world, high-demand careers.



Our Mission | Align Talent With Education & Industry

YouScience



You Science Usage VCS-National Comparison

- ▶ *“One of the highlights for me, which was reported at our final Daytona Regional Chamber Board of Directors meeting this morning with Dr. Fritz in attendance, is in terms of number of students who have completed their assessment” Ken Phelps, Daytona Chamber of Commerce*
- ▶ ***Volusia County Schools has 7 of the top 15 schools in the nation, including the top 2 – Spruce Creek and New Smyrna Beach, respectively!***
- ▶ *This has really caught the attention of the YouScience team, one of whom stated: “The crew in Volusia County is blazing a path on how to utilize this program.”*

You Science Survey Completions (December 2021)

<u>School</u>	<u>National Usage Rank</u>	<u># of Completions</u>	<u>% of Students Completed</u>
Spruce Creek High School	1	1,732	76.0%
New Smyrna Beach High School	2	1,463	93.1%
University High School	5	1,416	61.9%
Mainland High School	7	1,291	83.7%
Deltona High School	8	1,226	88.9%
Pine Ridge High School	11	1,120	83.1%
Seabreeze High School	15	1,054	81.3%

Grades 9-12, Advanced Placement AP, IB and Cambridge (AICE)

Grades 9-12, Total Enrollment 2020-2021 (4,134)

Evidence of Success

The evaluation reveals an increase in the student participation numbers and percentages, for AP, IB and AICE courses, for Black, Black males, Hispanic and Hispanic male students in grades 9-12, when comparing the 2016-2017 school year to the 2020-2021 school year.

- ▶ Enrollment percentages for Black students **increased from 9% to 11.8%**
- ▶ Hispanic enrollment percentages **increased from 13% to 16.1%** for the same period
- ▶ Enrollment percentages for Black males **increased from 6% to 8.2%**
- ▶ Hispanic males **increased from 11% to 13.3%**, when comparing the 2016-17 school year to 2020-2021 school year
- ▶ The evaluation shows English Language Learners (ELL) enrolled in AP, IB and AICE courses **increased from 4% in 2016-2017 to 5.2% in 2020-2021**

Grades 9-12, Advanced Placement AP, IB and Cambridge (AICE)

Grades 9-12, Total Enrollment 2020-2021 (4,134)

	2016-17 (3,779)	2017-18 (3,710)	2018-19 (4,369)	2019-20 (3,759)	2020-21 (4,134)
White	22% (2,592)	22% (2,535)	24% (2,791)	22.7% (2,518)	24.5% (2,720)
White Males	19% (1,101)	19% (1,108)	22% (1,317)	19.5% (1,119)	21.3% (1,213)
Black	9% (292)	9% (290)	18% (521)	10.4% (306)	11.8% (347)
Black Males	6% (99)	5% (81)	15% (212)	7.6% (112)	8.2% (121)
Hispanic	13% (549)	13 % (528)	16% (649)	14.3% (572)	16.1% (658)
Hispanic Males	11% (225)	10% (209)	13% (267)	10.8% (223)	13.3% (286)
ELL Students	4% (31)	4% (33)	6% (60)	4.8% (42)	5.2% (40)

Grades 9-12, Dual Enrollment (DE)

Grades 9-12, Total Enrollment 2020-2021 (1,868)

Evidence of Success

The evaluation shows the number of minority students participating in Dual Enrollment courses increased from the 2016-2017 school year to the 2020-2021 school year.

and for the same time period.

- ▶ Black student enrollment **increased from 3% in 2016-2017 to 6.1% in 2020-2021**
- ▶ Hispanic student enrollment **increased from 5% in 2016-2017 to 6.4% in 2020-2021**
- ▶ Black male enrollment **increased from 2% in 2016-2017 to 3.2% in 2020-2021**
- ▶ Hispanic male enrollment **increased from 3% in 2016-2017 to 5.4% in 2020-2021**
- ▶ The evaluation shows English Language Learners (ELL) enrolled in Dual Enrollment courses remained at .002%.

Grades 9-12, Dual Enrollment (DE)

Grades 9-12, Total Enrollment 2020-2021 (1,868)

	2016-2017 (1,287)	2017-18 (1,635)	2018-19 (1,612)	2019-20 (1,644)	2020-21 (1,868)
White	8% (921)	10% (1,158)	10% (1,176)	10.4% (1,159)	11.8% (1,305)
White Males	5% (324)	7% (440)	7% (426)	7.8% (448)	9% (511)
Black	3% (107)	4% (132)	4% (124)	4.8% (141)	6.1% (181)
Black Males	2% (29)	3% (39)	2% (28)	2.5% (36)	3.2% (47)
Hispanic	5% (193)	6% (238)	5% (210)	5.9% (234)	6.4% (261)
Hispanic Males	3% (67)	4% (91)	4% (80)	4.7% (97)	5.4% (115)
ELL Students	1% (6)	1% (9)	1% (8)	.8% (7)	1% (8)



CTE Programs

55 Programs of Study

91 Total Programs

ATLANTIC HIGH SCHOOL

Culinary Arts
Digital Audio Recording Technology
Digital Media/Multimedia Design
Digital Video Technology
Diversified Career Technology/On the Job Training
Gaming/Simulation/Animation Visual Design
Marketing, Management & Entrepreneurial Principles
Principles of Teaching

DELAND HIGH SCHOOL

Animal Science & Services
Building Trades & Construction Design Technologies Carpentry
Computer Systems Information Technology (CSIT) Culinary Arts
Digital Media/Multimedia Design Digital Video Technology
Diversified Career Technology/On the Job Training
Early Childhood Education Emergency Medical Responder
Marketing, Management & Entrepreneurial Principles
Promotional Enterprise
Technical Agriculture Operations

DELTONA HIGH SCHOOL

Agritechnology
Building Trades & Construction Design Technology
Culinary Arts
Digital Media/Multimedia Design
Digital Video Technology
Early Childhood Education
Firefighting
Promotional Enterprise

MAINLAND HIGH SCHOOL

Digital Media/Multimedia Design
Digital Video Technology
Diversified Career Technology/On the Job Training
Engineering Pathways (PLTW)
Culinary Arts
Criminal Justice
Electrical (2022-2023)

Firefighting
Game/Simulation/Animation Visual Design
Journalism & Multimedia
Cybersecurity
Web Application Development & Programming
Marketing, Management & Entrepreneurial Principles

NEW SMYRNA BEACH HIGH SCHOOL

Animal Science & Services
Aquaculture
Building Trades & Construction Design Technology
Culinary Arts
Digital Video Technology
Diversified Career Technology/On the Job Training
Sport, Recreation & Entertainment Marketing
Game/Simulation/Animation Programming
Public Safety & Telecommunications (911 Dispatch)

PINE RIDGE HIGH SCHOOL

Agritechnology
Applied Cybersecurity
Animal Science & Services
Culinary Arts
Digital Media/Multimedia Design Early Childhood Education
HVAC

SEABREEZE HIGH SCHOOL

Agritechnology
Building Trades & Construction Design Technologies Culinary Arts
Digital Media/Multimedia Design
Digital Video Technology
Diversified Career Technology/On the Job Training
Emergency Planning & Response
Journalism & Multimedia
Marketing, Management & Entrepreneurial Principles

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SPRUCE CREEK HIGH SCHOOL

Accounting Applications
Culinary Arts
Digital Video Technology
Diversified Career Technology/On the Job Training
Journalism & Multimedia
Promotional Enterprise
Web Development

TAYLOR MIDDLE-HIGH SCHOOL

Agritechnology
Allied Health
Animal Science & Services
Building Trades & Construction Design Technologies
Digital Media/Multimedia Design
Electrical (2022-2023)
Marketing, Management & Entrepreneurial Principles

UNIVERSITY HIGH SCHOOL

Agritechnology
Criminal Justice Operations
Culinary Arts
Cybersecurity
Digital Media/Multimedia Design Digital Video Technology
Diversified Career Technology/On the Job Training
Environmental Technologies
Engineering Pathways (PLTW)
Exercise Science
Marketing, Management & Entrepreneurial Principles

21 Academies

Career Academies

Atlantic	Technology, Engineering, Science & Aeronautics
	Law & Government
	Aquaculture, Environmental & Marine Science
DeLand	Communications
DeLand	Engineering
Deltona	Food & Agricultural Science
Deltona	Health Services
Deltona	Digital Media Enterprise
Mainland	Scientific Inquiry & Medicine
NSBHS	Criminal Justice
NSBHS	Engineering
NSBHS	Education
NSBHS	Medical
Pine Ridge	Healthcare
Pine Ridge	Manufacturing
Seabreeze	Allied Health
Spruce Creek	Finance
Spruce Creek	Information Technology & Robotics
University	Biomedical Sciences
University	Gaming & Simulation
University	Finance

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Industry Certifications

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2018-2019	2019-2020	2020-2021
2,547 students tested 1,687 passed 66% pass rate	1,1933 students tested 1,219 passed 63% pass rate	5,330 students tested 3,500 passed 66% pass rate

- 70% of our 55 CTE programs of study areas have an aligned industry certification.
- 82% of middle school students that tested earned an industry certification



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QUESTIONS