

# CareerLaunch: Initiatives

Initiatives being implemented within Broward County Public Schools.

- **CTSO – Career and Technical Student Organization**
- **College and Career Transition (CCT) Clubs**
- **Out of School Youth (OSY) Grant**
- **Work-Based Experiences**
- **Teacher Externships**
- **#theCUBE Broward @Stranahan High School**
- **Construction Trades Pre-Apprenticeship**
- **Aviation Career Dual Enrollment @Miramar High School**
- **AMPED – Algebra in Manufacturing Processes, Entrepreneurship and Design**
- **Big Picture Learning @ South Plantation High**
- **NAF – Be Future Ready**
- **NFTE – Network for Teaching Entrepreneurship**
- **PLTW – Project Lead the Way**
- **VEI – Virtual Enterprise International**
- **VEjv – Virtual Enterprise Junior Ventures**
- **GBSI – Global Business Solutions, Inc. (Cyber Security)**
- **Hospitality Immersion**



# CareerLaunch: Initiatives

## Career and Technical Student Organizations (CTSO)

CTSOs are a powerful avenue for helping our nation address key challenges such as workforce development, student achievement, economic vitality and global competitiveness. These co-curricular programs enhance student learning through contextual instruction, leadership and personal development, applied learning and real-world application. CTSOs work as an integral component of the classroom curriculum, building upon employability and career skills through the engagement of real-life experiences.

**Business Professionals of America (BPA)**

**DECA: A High School Marketing Association**

**Family, Career and Community Leaders of America (FCCLA)**

**Future Farmers of America (FFA)**

**Future Health Professionals (HOSA)**

**SkillsUSA**



Career and Technical  
Student Organizations



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# CareerLaunch: Initiatives

## College and Career Transition (CCT) Clubs

The purpose of the College and Career Transition Clubs is to increase awareness and assist students with intellectual disabilities to prepare for and access opportunities through the Florida Center for Students with Unique Abilities. Established by the Florida Postsecondary Comprehensive Transition Program Act (FS §1004.6495), the Florida Center for Students with Unique Abilities at the University of Central Florida facilitates collaboration between institutions of higher education, school districts, and students with intellectual disabilities and their parents to plan for the transition of students into Florida Postsecondary Comprehensive Transition Programs (FPCTPs).

### Program Outcomes:

- Increased awareness of career pathways and possible post-secondary opportunities
- Research potential post-secondary programs that are aligned with their career goals
- Identify supports needed to access and succeed in their desired career pathway
- Identify characteristics of careers and post-secondary education programs

SCHOOLS

29

GRANT  
FUNDING

\$174,000

# CareerLaunch: Initiatives

## Out of School Youth (OSY) Grant

The School Board of Broward County has been awarded a grant for the Out of School Youth (OSY) program funded by CareerSource Broward from federal Workforce Innovation and Opportunity Act (WIOA) funds. The program has served 480 students to date, who meet WIOA eligibility requirements for out of school youth. These funds provide additional assistance for these youth to obtain their GED, participate in a paid work experience, and/or job, college, military placement. The program design includes individual career pathway plans, employability skills development, financial literacy skills, and on the job training delivered by BCPS employed teachers, counselors, and job coaches. The OSY grant is currently in year 4 with a total of \$2,000,000 awarded.

### Program Description:

- GED tuition and testing funded by OSY program
- \$150 financial incentive upon GED completion
- Monthly financial incentive for transportation
- Paid work experience up to 600 hours
- On-site job coaching
- Weekly support facilitation provided for GED, work experience, and post-secondary options

GEDs earned

348

Positive post-secondary outcomes

382

# CareerLaunch: Initiatives

## Work-Based Experiences (Internships, OJT)

Work-based learning brings the classroom to the workplace and the workplace to the classroom. This instructional strategy provides students with a well-rounded skill set that goes beyond academics, and includes the soft skills needed to succeed in college and the working world. Work-based learning is centered on a continuum of experiences beginning with career awareness activities, progressing to career exploration activities, culminating in career preparation activities, including paid internships. Business leaders volunteer as guest speakers in classrooms. Students have the opportunity to tour worksites, network with, and shadow business professionals. Work-based learning culminates in a paid internship that allows students to apply their classroom skills and learn more about what it takes to succeed.

### Current Work-Based opportunities:

#### **Workplace experience:**

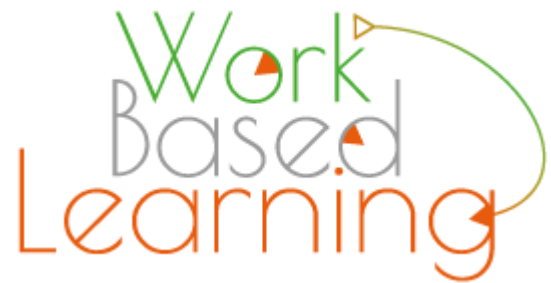
- Summer Internship
- Pre-Apprenticeship
- School day OJT
- Independent employment

#### **Industry interactions:**

- Industry site visits
- Job Shadowing
- Guest speakers / Mentoring

#### **Industry-driven project-based learning:**

- Competitions
- Real-World Problem Solving

The logo for Work Based Learning features the words "Work Based Learning" in a stylized font. "Work" is in green, "Based" is in grey, and "Learning" is in orange. A green line with an arrowhead starts from the top right of "Work", loops around the top of "Based", and ends at the top of "Learning".

SCHOOLS

32

STUDENTS

6,425



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## Teacher Externships

Teacher Externships offer a unique professional development opportunity connecting the classroom to the workplace. They provide an experience in which teachers spend time in a workplace to learn directly about trends, skill requirements, and opportunities in industries related to their subject in order to enrich and strengthen their teaching, and bring relevance to student learning.

Teacher externships offer a professional development experience that is often transformative for educators and their students. Career Technical Education (CTE) teachers and core academic teachers build the bridge between skill-based and knowledge-based education. The externship experience helps teachers connect classroom content with students' future career interests. This helps students develop both the academic and technical skills required in the world they are preparing to enter.

### Current Externship opportunities:

#### Industry interactions:

Industry site visits  
Industry presentations

#### Externship opportunities:

FPL  
Ritz Carlton  
Conrad Fort Lauderdale  
Margaritaville  
Marine Industry Association of S. Florida



SCHOOLS

32

TEACHERS

79

# CareerLaunch: Initiatives

## #theCUBE Broward @Stranahan High School

#theCUBE Broward, **Creative & Unique Businesses Emerging**, will provide a replicable comprehensive entrepreneurship experience that develops student led innovation by creating the mindset, industry credentials, employability skills, and aptitude to address and analyze real world issues and create products in the spirit of an entrepreneur.

In partnership with the Network For Teaching Entrepreneurship (NFTE) and the Continuous Improvement Institute (Six Sigma), students' academic experiences revolve around Entrepreneurship principles and the entrepreneurial mindset while perpetuating industry recognized certification. Development of college, career and life ready skills through applied entrepreneurship activities will transform classrooms into microcosms of society and students will develop the traits and mindsets of entrepreneurs and corporate innovators.



Where NFTE meets Six Sigma



SCHOOLS

1

STUDENTS

200



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## Construction Trades Pre-Apprenticeship

Construction Trades Pre-Apprenticeship is a 2-year registered apprenticeship program sponsored by the BCPS PPO department. During year 1, students learn basic construction and safety knowledge and commute to Atlantic Technical College one day per week to receive specific trade instruction in the fields of Carpentry, HVAC, and Electricity. Students then participate in a 150 hour summer paid internship within the construction field. During year 2, students will enroll in Career Dual Enrollment(CDE) courses at Atlantic Technical College in their trade of interest. Upon graduation, students completing the program will enter an Apprenticeship program, enroll in post-secondary program, or enter the workforce.

<u>11<sup>th</sup> Grade – Year 1</u>	<u>Summer - Year 1</u>	<u>12<sup>th</sup> Grade – Year 2</u>
<p><b>CLASSROOM @ High School</b></p> <ul style="list-style-type: none"> <li>• NCCER Construction Core</li> <li>• ACE Mentoring program</li> <li>• OSHA 10 certification</li> <li>• First Aid / CPR certification</li> </ul> <p><b>AFTERSCHOOL (1 day/week) @ Atlantic Tech College</b></p> <ul style="list-style-type: none"> <li>• Hands-on training               <ul style="list-style-type: none"> <li>• Industry Specific skills</li> <li>• Collaborative projects</li> </ul> </li> </ul>	<p><b>INTERNSHIP @ Industry company</b></p> <ul style="list-style-type: none"> <li>• Industry Exposure / Experience</li> <li>• 150 paid internship hours</li> <li>• Executive Internship course for HS credit</li> </ul>	<p><b>CLASSROOM @ Atlantic Tech College</b></p> <ul style="list-style-type: none"> <li>• Career Dual Enrollment               <ul style="list-style-type: none"> <li>• Technical College</li> <li>• Daily (7am – 10am)                   <ul style="list-style-type: none"> <li>• Electricity</li> <li>• HVAC</li> <li>• Carpentry</li> <li>• Plumbing*</li> </ul> </li> </ul> </li> <li>• Completes Tech College PSAV program</li> </ul>



SCHOOLS

3

STUDENTS

60



# CareerLaunch: Initiatives

## Aviation Career Dual Enrollment

The Aviation Career Dual Enrollment program is designed to address the needs of the world-wide aviation industry in providing quality aviation technicians. The aviation industry offers many high-demand, high-wage career options for students.

This is a 3-year program where students spend 4 hours per day at the Broward College Aviation Institute learning from FAA instructors. Students will graduate high school with an FAA General Aviation certification and an FAA Airframe certification. Students who continue on to Broward College after graduation can earn their FAA Powerplant certification in one year and a BS Aerospace Science degree after 3 years.



SCHOOLS

1

STUDENTS

90

# CareerLaunch: Initiatives

## AMPED – Algebra 1 in Manufacturing Processes, Entrepreneurship & Design

Where CTE meets Algebra 1 to create a program for all students to be successful.

The AMPED program contains all objectives and standards delivered in a traditional 4-wall Algebra 1 classroom and will be taught through real world, project based lessons, labs, and activities creating a richer, more robust learning environment for students. Rigor, relevance, and relationships are key to student success.

Students are enrolled in an Interior Design or Construction Trades CTE pathway. Students are engaged in CTE content using mathematics as a useful tool for solving real world, career skill ready problems. All students work on developing and understanding the skills necessary to thrive in the modern workplace.

The logo for AMPED features the letters 'A', 'M', 'P', 'E', and 'D' in a bold, black, sans-serif font. The letter 'A' is stylized with a vertical ruler on its left side. The letter 'P' is replaced by a gear icon. The letter 'D' is also stylized with a vertical ruler on its right side.

SCHOOLS

3

STUDENTS

250

# CareerLaunch: Initiatives

## Big Picture Learning @South Plantation High

Big Picture Learning is a small learning community at South Plantation High School. Students create an advisory, led by a teacher, that works closely with the students to form personalized relationships. Each student works closely with his or her advisor to identify interests and personalize their learning.

The student is the center of learning which engages and challenges them, and makes learning authentic and relevant. Each student has an internship where he or she works closely with a mentor, learning in a real world setting. The result is a student-centered learning design, where students are actively invested in their learning and are challenged to pursue their interests by a supportive community of educators, professionals, and family members.



SCHOOLS

1

STUDENTS

110

# CareerLaunch: Initiatives

## NAF: Be Future Ready

NAF is a national network of education, business, and community leaders who work together to ensure high school students are college, career, and future ready.

NAF's educational design ignites students' passion for learning and gives businesses the opportunity to shape America's future workforce by transforming the learning environment to include STEM infused industry-specific curricula and work-based learning experiences, including paid internships. NAF academies are small learning communities within traditional high school Career Technical Pathways.

### NAF offers a variety of academy options including:

- AOIT – Academy of Information Technology
- AOF – Academy of Finance
- AOHT – Academy of Hospitality & Tourism
- AOHS – Academy of Health Science
- AOE – Academy of Engineering

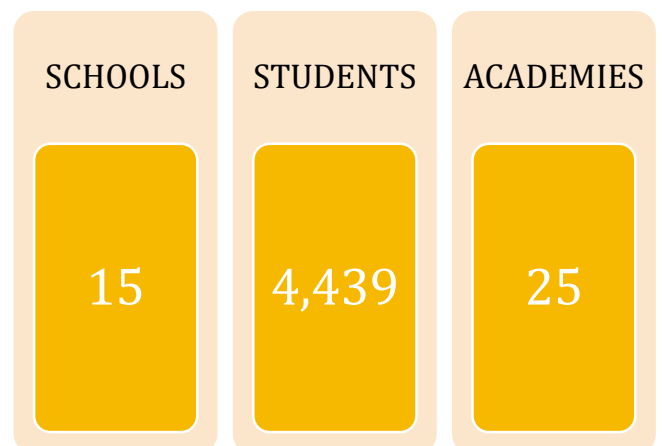


### Distinguished Academies for 2018

- Atlantic Tech College – AOIT
- Blanche Ely – AOIT
- Marjory Stoneman Douglas – AOF

### Model Academies for 2018

- Piper – AOF



# CareerLaunch: Initiatives

## NFTE – Network for Teaching Entrepreneurship

NFTE's Pathway begins with igniting the imagination and takes students through the journey of creating and refining an original business concept. Students are guided by NFTE's expert entrepreneurial Teacher Corps, and supported by entrepreneurs and successful business people. Students then take the stage in NFTE's renowned business plan competition series, presenting to esteemed judges.



### Initiative & Self-Reliance

The power to take ownership of a project without input or guidance and work through obstacles independently.



### Flexibility & Adaptability

The ability and willingness to change actions and plans to overcome present and future challenges.



### Communication & Collaboration

The ability to clearly express ideas to an intended audience, including persuading others to work towards a common goal.



### Creativity & Innovation

The ability to think of ideas and create solutions to problems without clearly defined structures.



### Critical Thinking & Problem Solving

The capacity to apply higher-level, process-oriented thinking, consider an issue from a range of possible perspectives, and use that reasoning to make decisions.



### Future Orientation

An optimistic disposition with a focus on obtaining the skills and knowledge required to transition into a career.



### Opportunity Recognition

The practice of seeing and experiencing problems as opportunities to create solutions.



### Comfort with Risk

The capacity to move forward with a decision despite inevitable uncertainty and challenges.

**nfte!**

SCHOOLS

19

STUDENTS

2092



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## PLTW – Project Lead the Way

PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers.

Each PLTW Engineering course engages students in interdisciplinary activities like working with a client to design a home, programming electronic devices or robotic arms, or exploring algae as a biofuel source. These activities not only build knowledge and skills in engineering, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.

### PLTW offers curriculum for Engineering Pathways:

- Introduction to Engineering
- Principles of Engineering
- Aerospace Engineering
- Civil Engineering & Architecture
- Computer Integrated Manufacturing
- Digital Electronics
- Environmental Sustainability
- Engineering Design & Development



SCHOOLS

3

STUDENTS

212



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# CareerLaunch: Initiatives

## VEI – Virtual Enterprise International

With an emphasis on college and career readiness, VEI is an in-school, live, global business simulation that offers students a competitive edge through project-based, collaborative learning and the development of 21st-century skills in entrepreneurship, global business, problem solving, communication, personal finance and technology. VEI reinforces students' academic skills and achievement, reignites their interest in education, and raises their desire to graduate and pursue lifelong learning.

### VEI emphasizes learning in four key areas:

#### **Ownership:**

Students take responsibility for their own learning

#### **Experiential:**

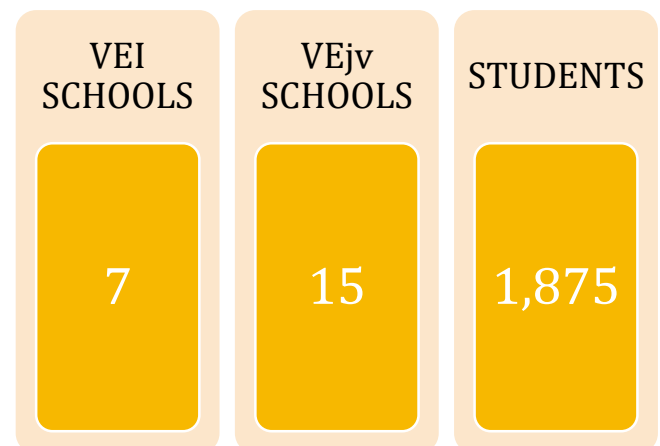
Learning is authentic and realistic

#### **Cooperative:**

Students learn with and from others and understand the dynamics of working as part of a team.

#### **Reflective:**

Students experience the consequences of their decisions and apply that learning to future challenges



# CareerLaunch: Initiatives

## CyberSecurity Curriculum

In this rapidly expanding digital age, information sharing across networks and systems demands faultless protection of sensitive data. GBSI works diligently to ensure our security solutions surpass government and industry standards for information protection and risk aversion in the business process. Students learn that there is zero margin for error when it comes to transferring, processing, and storing critical information.

### GBSI Cyber Solutions Include:

- Vulnerability Assessments & Testing
- Accredited EC-Council cyber security training delivery
- Implement Audit and Review STIG requirements
- Perform FISMA Authority to Operate (ATO) Reviews
- Information Assurance Training (8570.1-M)
- Regulatory Compliance
- Secure Data Warehouses/ Data Mining
- Managed Security
- Security Certification
- Cyber Security Development & Testing
- Cyber Warfare Training



SCHOOLS

7

STUDENTS

350

# CareerLaunch: Initiatives

## Hospitality Immersion

The Hospitality Immersion program uses Spanish as the target language for instruction and as a means of communication in the world of Hospitality and Tourism. Students learn industry-specific terminology to work in the front end of a hospitality business, and develop higher order thinking skills, preparing them for their future career.

Research shows that students gain additional cognitive, academic and employment benefits, and will have access to a wider range of national and international jobs as a Bilingual employee. Thousands of South Florida businesses, across multiple industries, operate in more than one language. International businesses require employees with second-language skills and cultural sensitivity to stay competitive and profitable.



# CareerLaunch: Initiatives



## CAREER AND TECHNICAL EDUCATION



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