Florida Public Schools and Maritime Education

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Overview

• Industry approached the school system with needs.
• Worked together to identify the critical parts.
• Wrote the curriculum and standards – Grant.
• Added value through experiences.
• Expanded the program to a magnet school.
• Expanded into middle schools through new standards.
• Graduated 9 students last year - started with 15 four years ago.
Timeline of Partnership

• 2006 Maritime Industry approaches HCPS with an idea
• 2008 Middle School pilot units are included in Technology Education curriculum across the district.
• 2009 Industry partners and HCPS CTE focus on the development of a complete program (6-12 grade)
• 2011 Blake High School opens with one class of 9th grade students in the Maritime Academy
• 2012 FL Maritime Technology Standards are adopted
• 2013 Jefferson High School Maritime Magnet opens
• 2014 Blake student internship program in development
• 2015 First completers of the Maritime program graduate
What does the Curriculum look like?

- History
- Careers
- Ships
- Engineering
- Navigation
- Trade
- Cargo
- Security
- Port Operations
- Shipping Operations
- Mariner Studies
- Admiralty Law
- Environmental Impacts
- Marine Resources
- Oceanography
- Marine Biology

All major areas of the entire Maritime Industry are covered!
Student and Teacher Externships in Maritime

- Stipends for teachers and students
- 15 companies working together
- Students and teachers rotate through the companies
- Real-World experience to help with context

- Goal is for all juniors to participate
- Academic teachers can get ideas on how maritime works
Current Status of the Maritime Technology Program in FL

• Curriculum products are completed for grades 7 – 12
• Florida has adopted Maritime Technology Standards
  – Allows any high school in FL to implement the program
  – FL is the first state to have these type of Career and Technical Education standards adopted and implemented at the public school level
• High School Maritime Industry Certification is needed to promote implementation of programs due to FL CAPE ACT
• National trends point to more states requiring industry certification as part of CTE programs
Student Potential Pathways

- Blake High School
- Jefferson High School

- Maritime Experience
  - Maritime Academies
  - Non-License Program
  - Other Training

- Workforce
  - Technical College
  - Community College
  - University System
Key Partners

Industry Recognition & Credentials

Curriculum & Program Development

Regulatory & Industry Support
A Framework for Success

Key Partners
- Propeller Clubs & Industry
- Florida Education
- USCG

Combined Effort
- National Credentials & Curriculum
- New Maritime Programs Across the U.S.

Impact on Industry
- New Talent into Maritime Workforce
Contact Information

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