

# CAREER AND TECHNICAL EDUCATION



# VISION

- **Vision is to expand career and job skill opportunities at all high schools and ultimately all junior high schools. This will require the support of all stakeholders as we develop a strategic plan to align local and state initiatives to provide every student the opportunity to participate in a small learning community in a field of their choosing.**



- **The School District of Clay County exists to prepare life-long learners for success in a global and competitive workplace and acquiring applicable life skills.**



**What kinds of experiences will our children need to be successful in school?**

**What skills will students need to be prepared to work and live in the 21st century?**



# ACADEMY VS. NON-ACADEMY

	High School Academy Students	High School Non-Academy Students
Enrollment	1,351	10,264
Attendance Rate	95.2369	93.9563
GPA Weighted	3.1819	2.8706
GPA Un-Weighted	3.0152	2.7206
Graduation Rate	99.50%	91.08%

## Academy Students

Better Attendance

Higher GPA

Higher Graduation Rate

Lower Discipline Rate

# FORD NGL 3-PILLAR MODEL

- **Transforming Teaching & Learning**
- **Redesigning High Schools**
- **Building and Sustaining Community Leadership and Support**



# TRANSFORM TEACHING AND LEARNING



**PROFESSIONAL  
DEVELOPMENT**



**CURRICULUM**



**INSTRUCTION**



**ASSESSMENTS**

# TRANSFORM TEACHING AND LEARNING

## Professional Development

- CTE and Academic Academy Teachers are provided training on:
  - Common Core State Standards
  - Integrating industry themes into academic courses and increasing academic rigor in CTE courses
  - Industry specific content – industry certifications

## Curriculum

- Advisory committees made up of all stakeholders provide input for teachers to make curriculum relevant and rigorous



# TRANSFORM TEACHING AND LEARNING

## Instruction

- Teachers will be facilitators of learning and not lecturers.
- Instruction will include real-world project based-learning.

## Assessments

- In addition to state-mandated assessments, CTE students take industry certification exams from nationally-accredited businesses and organizations like Microsoft, Adobe, CISCO and more.

# REDESIGNING HIGH SCHOOLS



**Staffing/Roles**



**Student Choice**



**Structure**



**Technology**



**Facilities**

# REDESIGNING HIGH SCHOOLS

## ■ Staff/Roles

- CTE and Academic teachers work on teams to more closely follow student achievement and align curriculum.
- Integrate 21-century soft skills

## ■ Student Choice

- Students will get to choose an academy they find interesting and relevant.

# REDESIGNING HIGH SCHOOLS

## ■ New 3 Track Diploma



	Standard Diploma Requirements	Scholar Designation Diploma Requirements*	Merit Designation Diploma Requirements**
Notes		* In addition to the requirements for a standard diploma.	** In addition to the requirements for a standard diploma, students pursuing a merit designation must attain one or more <a href="#">industry certifications</a> .
English	4 credits in ELA I, II, III, IV <ul style="list-style-type: none"> <li>Reading 10th Grade, MP FCAT</li> <li>Must take 10th grade FCAT Writing</li> </ul>	<ul style="list-style-type: none"> <li>MP 11th Grade ELA assessment (when administered)</li> </ul>	4 credits in ELA I, II, III, IV <ul style="list-style-type: none"> <li>Reading 10th Grade, MP FCAT</li> <li>Must take 10th grade FCAT Writing</li> </ul>
Math	4 credits <ul style="list-style-type: none"> <li>Algebra I, MP EOC; 30% EOC</li> <li>Geometry, 30% EOC</li> <li>2 may be substituted with allowable industry certification courses that lead to college credit</li> </ul>	<ul style="list-style-type: none"> <li>Algebra II, MP CC assessment (when administered)</li> <li>Statistics (or equally rigorous course)</li> </ul>	4 credits <ul style="list-style-type: none"> <li>Algebra I, MP EOC; 30% EOC</li> <li>Geometry, 30% EOC</li> <li>2 credits may be substituted with allowable industry certification courses that lead to college credit</li> </ul>
Science	3 credits <ul style="list-style-type: none"> <li>Biology 1, 30% EOC</li> <li>2 credits equally rigorous course</li> <li>2 of 3 required credits must have lab</li> <li>1 credit may be substituted with allowable industry certifications that lead to college credit</li> </ul>	<ul style="list-style-type: none"> <li>Biology I, MP EOC</li> <li>Chemistry or Physics</li> <li>1 credit equally rigorous course</li> </ul>	3 credits <ul style="list-style-type: none"> <li>Biology 1, 30% EOC</li> <li>2 credits equally rigorous course</li> <li>2 of 3 required credits must have lab</li> <li>1 credit may be substituted with allowable industry certifications that lead to college credit</li> </ul>
Social Studies	3 credits <ul style="list-style-type: none"> <li>US History, 30% EOC</li> <li>World History</li> <li>1/2 Economics; 1/2 Government</li> </ul>	<ul style="list-style-type: none"> <li>US History, MP EOC</li> <li>World History</li> <li>1/2 Economics; 1/2 Government</li> </ul>	3 credits <ul style="list-style-type: none"> <li>US History, 30% EOC</li> <li>World History</li> <li>1/2 Economics; 1/2 Government</li> </ul>
Fine/Performing Arts	1 credit	1 credit	1 credit
Foreign Language	None	2 credits <ul style="list-style-type: none"> <li>Must be same foreign language</li> </ul>	None
Physical Education/Health	1 credit	1 credit	1 credit
Electives/Other	8 credits electives	Must earn one AP, IB, AICE, or dual enrollment course credit	8 credits electives
Online Course Requirement	1 course - Excludes a driver's education course	1 course - Excludes a driver's education course	1 course - Excludes a driver's education course
Total	24 credits	24 credits	24 credits
Additional Notes	24 credits may be earned through equivalent, applied, or integrated or career education courses, including work-related internships approved by SBE.		24 credits may be earned through equivalent, applied, or integrated or career education courses, including work-related internships approved by SBE.

# REDESIGNING HIGH SCHOOLS

## ■ Technology

- Industry-standard technology in all CTE classrooms

## ■ Facilities

- Will require input from industry, community, and educational institutions

## ■ Structure

- CTE programs grouped with similar CTE programs to create more academies at each high school in the future



# CTE ACADEMIES AND PROGRAMS



## Oakleaf High School

- Academy of Aerospace Technology
- Academy of Plant Biotechnology
- Academy of Health and Human Services
- Academy of Business
- Academy of Art and Design

## Orange Park High School

- Academy of Health Sciences
- Academy of Engineering and Computer Science
- Vystar Academy of Business and Finance 13/14



# CTE ACADEMIES AND PROGRAMS



## Clay High School

- Academy of Business, Design and Logistics
- Academy of Law and Emergency Services
- Academy of Manufacturing and Industrial Technology

## Ridgeview High School

- Academy of Culinary Arts
- International Baccalaureate Academy of Business
- CISCO Academy of Information Technology
- Academy of Manufacturing and Industrial Technology



# CTE ACADEMIES AND PROGRAMS



## Keystone Heights High School

- Academy of Agriscience
- Academy of Business Design and Logistics
- Academy of Manufacturing and Technology
- Academy of Health and Human Services
- Academy of Energy Systems Technology

## Fleming Island High School

- Academy of Television Production and Photojournalism
- Vystar Academy of Business and Finance
- Academy of Human Services (Early Childhood, Fashion and Interior Design, Hospitality and Tourism)



# CTE ACADEMIES AND PROGRAMS



## Middleburg High School

- Academy of Agriscience
- Academy of Information Technology
- Academy of Architecture, Construction and Interior Design
- Academy of Health and Human Services
- Academy of Manufacturing and Technology

# BUILDING AND SUSTAINING COMMUNITY LEADERSHIP AND SUPPORT



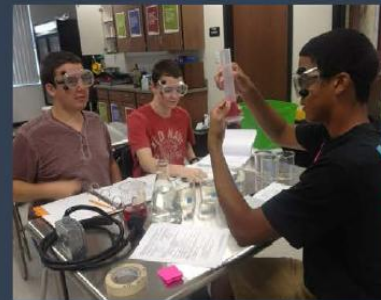
**BUSINESS  
ENGAGEMENT**



**PARENT/FAMILY  
INVOLVEMENT**



**POST-SECONDARY  
CONNECTION**



**MARKETING &  
COMMUNICATION**

# BUILDING AND SUSTAINING COMMUNITY LEADERSHIP AND SUPPORT

## ■ Business Engagement

- CTE Department has great business partners but, we need more!

### CTE Commitment Card

Business Partner Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

#### I am willing to:

Serve as a guest speaker

Host a student on Career Shadowing

Host a field trip

Help students prepare for industry certifications

Provide Student Internships

Provide Teacher Externships

Serve as a contest judge

Serve as a judge for mock job interviews

Serve on an advisory committee

Provide technical assistance for teacher

Provide financial sponsorships

Other (please specify): \_\_\_\_\_

Volunteer instructors

\_\_\_\_\_



# **BUILDING AND SUSTAINING COMMUNITY LEADERSHIP AND SUPPORT**

- **Meet with stakeholders**
  - Ideas for implementation
  - Parent/Family Involvement
  - Family must be involved to help make critical decisions for their future
  - Teacher input
  - School Board members and district staff
  - Business/Community partners

# **BUILDING AND SUSTAINING COMMUNITY LEADERSHIP AND SUPPORT**

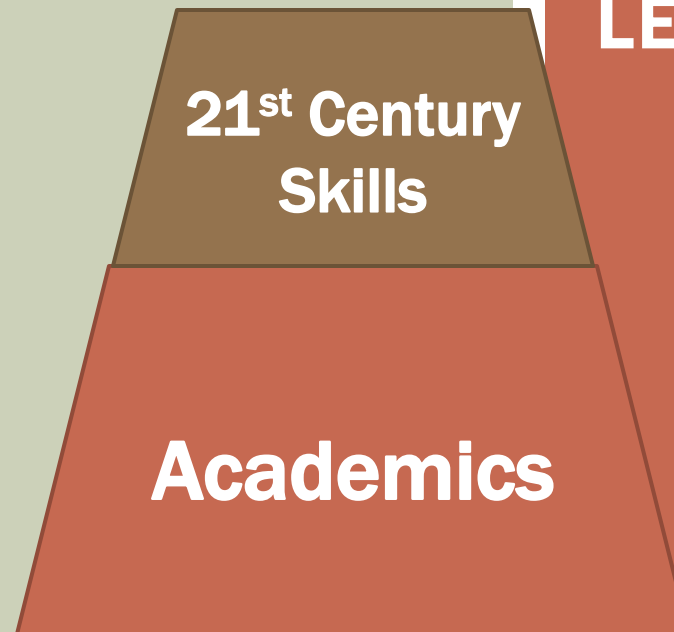
## **■ Marketing & Communication**

- Inform business partners, parents, and students of opportunities and achievements**
- We must better promote the strengths of our school system**


## **■ Post-Secondary Connection**

- Continue partnerships with SJRSC, FSCJ, SFC, UNF, UF, etc.**

- **2,426 high school graduates**
- **\$20 million dollars in scholarships**
- **54% start college**
- **28% actually finish college**
- **1/4<sup>th</sup> of those who finish actually work in the career field they chose**



**21<sup>ST</sup>  
CENTURY  
SKILLS  
NEEDED  
TO TAKE  
US TO  
THE NEXT  
LEVEL**



Virtually all of the authoritative voices and documents in every teaching field are calling for schools that are more *student centered, active, experiential, authentic, democratic, collaborative, rigorous and challenging.*

*Best Practice: Bringing Standards to Life in America's Classrooms*  
Zemelman, Daniels, Hyde, Heinemann 2012



**It will take all of us coming together and reaching beyond traditional alignment to achieve what is not only possible, but necessary for our children.**

