



LOOKING TO THE FUTURE

Career and Technical Education in
Sarasota County Schools

CTE MILESTONES

- Isolated CTE courses were eliminated in favor of college- and career-preparation programs.
- Articulation agreements for all secondary programs were developed.



2006-07

- Construction began on new technical high school and technical center.
- High school CTE labs and programs redesigned and rebuilt.

2007-08



- First class of students at Suncoast Polytechnical High School began.
- First CAPE Academy implementing industry certifications was started.
- Middle school CTE labs and programs redesigned and rebuilt.



2008-09

- All high schools implemented CAPE Academies and industry certifications.

2009-10



- First phase of new SCTI opened for business!
- All high school CTE programs offered industry certifications.
- First career academies implemented at comprehensive high schools.



2010-11

- Middle school CAPE Academy planning.
- SCTI Rebuild!
- STEM Initiatives are expanding.

NOW



This chart is intended only to highlight the significant accomplishments over the past several years and is not comprehensive of all of the progress made in CTE in our school district.

CTE PROGRAMS

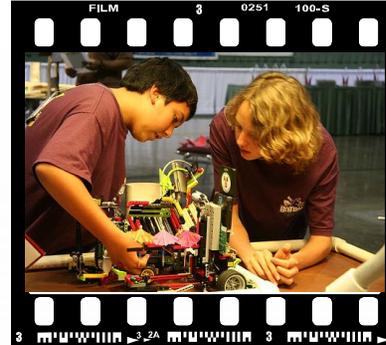


CONTENT AREAS:

- Agriscience
 - Business
 - Family & Consumer Science
 - STEM/Technology
- ❖ 14 Programs at all 8 Middle Schools
 - ❖ Development of feeders into the high school CTE Programs
 - ❖ Focus on STEM integration through the Technology Education programs
 - ❖ Increasing chapters and participation in career and technical student organizations

Middle School

CTE PROGRAMS



Accounting Operations
Administrative Assistant
Allied Health Assisting
Aquaculture
Architectural Drafting
Auto Collision Repair & Refinishing
Automotive Service Technology
Biomedical Sciences
Building Trades & Construction Design
Business Computer Programming
Business Supervision & Management
Computer Systems Technology
Cosmetology
Criminal Justice Operations
Culinary Arts

Customer Assistance Technology
Digital Design
Digital Video Production
Drafting/Illustrative Design
Early Childhood Education
Electronic Business Enterprise
Emergency Medical Technician
Engineering Technology
Entrepreneurship
Fire Fighting
Emergency Medical Responder
Game, Simulation, Animation
Geospatial/ Geographic Information
Systems Technology
Health & Wellness

Hospitality & Tourism
International Business
Legal Administrative Specialist
Marine Service Technology
Medical Administrative Specialist
Multimedia Design Technology
Nursing Assisting
Pathways to Engineering
PC Support Services
Practical Nursing
Technology
Technology Studies
Veterinary Assisting
Web Development
Work Experience

High School

CTE PROGRAMS



Accounting Operations
Administrative Office Specialist
Architectural Drafting
Auto Collision Repair & Refinishing
Automotive Service Technology
Auxiliary Law Enforcement Officer
Business Computer Programming
Business Supervision & Management
Commercial Foods and Culinary Arts
Computer Systems Technology
Correctional Officer
Cosmetology

Apprenticeship Programs

Air Conditioning, Refrigeration and Heating
Commercial Foods and Culinary Arts



Corrections to Law Enforcement
Customer Assistance Technology
Digital Design
Digital Video Production
Dietetic Management and Supervision
Early Childhood Education
Electronic Business Enterprise
Emergency Medical Technician
Facials Specialty
Fire Fighter
Law Enforcement Officer
Legal Administrative Specialist

Early Childhood Education
Electrician



Marine Service Technology
Medical Administrative Specialist
Multimedia Design Technology
Nails Specialty
Nursing Assistant Paramedic
PC Support Services
Phlebotomy
Practical Nursing
Surgical Technology
Veterinary Assisting
Wastewater Treatment Technologies
Water Treatment Technologies

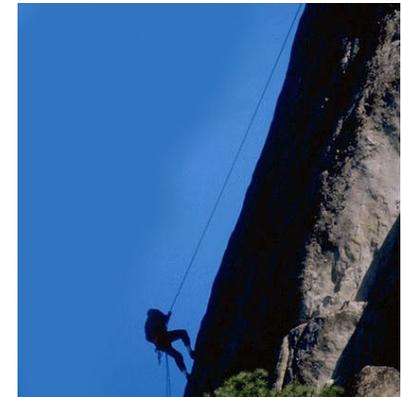
Fire Fighter II
Plumbing Technology

Postsecondary

CHALLENGES

Sustainability

- Consumable supplies for project-based learning applications can be costly
- Continuous upgrades for software requires continuous teacher skills upgrades
- Teacher mobility and turnover has implications for program “ownership” and teacher training
- Equipment repair/maintenance has been an issue with no budget allocations
- There is a high cost for implementing industry certifications for students (teacher training, test center costs, test vouchers)
- We have had ongoing technology issues (installation, incompatibility, student/teacher permissions)
- The increased testing demands on schools creates logistical challenges for CTE teachers, test coordinators, and registrars
- Data collection and reporting requirements have increased beyond our current capacity, both at secondary and postsecondary
- Less than 1 FTE in state funding formula for High School CTE courses
- State-imposed fee for Adult Education courses has led to 60% drop in enrollment
- Challenges with calculating student growth measures for evaluating CTE (and Adult Education) teachers



Florida Ready to Work Implementation

	2010-2011			2009-2010		
FRW TEST CENTER	ASSESSMENTS	CREDENTIALS	Funding	ASSESSMENTS	CREDENTIALS	Funding
Booker High School	262	73	\$ 2,305.00	221	48	\$ 480.00
North Port High	386	103	\$ 1,030.00	230	54	\$ 540.00
Riverview High	116	36	\$ 360.00	165	45	\$ 450.00
SCTI	2,577	789	\$ 7,890.00	465	135	\$1,350.00
Sarasota High	236	71	\$ 710.00	203	56	\$ 560.00
Venice High School	332	106	\$ 1,060.00	156	47	\$ 470.00
TOTAL	3,909	1,178	\$13,355.00	1,440	385	\$3,850.00
	2008-2009			2007-2008		
FRW TEST CENTER	ASSESSMENTS	CREDENTIALS	Funding	ASSESSMENTS	CREDENTIALS	Funding
Booker High School	240	49	\$ 1,225.00	103	24	\$ 600.00
North Port High	216	40	\$ 1,000.00	48	14	\$ 350.00
Riverview High	551	76	\$ 1,900.00	13	2	\$ 50.00
SCTI	1,572	443	\$11,075.00	0	0	\$ -
Sarasota High	721	173	\$ 4,325.00	47	9	\$ 225.00
Venice High School	1,634	435	\$10,875.00	225	64	\$1,600.00
TOTAL	4,934	1,216	\$30,400.00	436	113	\$2,825.00
	To Date (May 2011 Report)					
FRW TEST CENTER	ASSESSMENTS	CREDENTIALS	Funding			
Booker High School	826	194	\$ 4,610.00			
North Port High	880	211	\$ 2,920.00			
Riverview High	845	159	\$ 2,760.00			
SCTI	4,614	1,367	\$20,315.00			
Sarasota High	1,207	309	\$ 5,820.00			
Venice High School	2,347	652	\$14,005.00			
TOTAL	10,719	2,892	\$50,430.00			

INDUSTRY CERTIFICATIONS

SCHL	CERTIFICATION DESCRIPTION	08-09 Certs Earned	08-09 Funds Earned	09-10 Certs Earned	09-10 Funds Earned	10-11 Certs Earned	10-11 Funds Earned
BHS	Adobe Certified Associate (Photoshop)			32	\$ 35,101.42	67	\$ 73,500.40
BHS	Microsoft Office Specialist					26	\$ 28,522.54
BHS	NCCER Carpentry - Level 1					11	\$ 12,067.23
BHS	NCCER Construction Technology			10	\$ 10,969.19		
BHS	Introductory Child Care Training Certificates					10	\$ -
BHS	Professional Certification in Customer Service					8	\$ 8,776.17
NPHS	Adobe Certified Associate (Photoshop)			33	\$ 36,198.33	35	\$ 38,395.73
NPHS	Microsoft Office Specialist					47	\$ 51,559.98
NPHS	Introductory Child Care Training Certificates					7	\$ -
NPHS	A*S*K Certification-Entrepreneurship					1	\$ -
NPHS	NOCTI Health Assisting					48	\$ -
NPHS	Certified Professional Food Manager (ServSafe)					152	\$ 166,747.17
NPHS	NCCER Carpentry - Level 1			34	\$ 37,295.25		
NPHS	NCCER Construction Technology	5	\$ 6,123.89	5	\$ 5,484.60	37	\$ 40,589.77
NPHS	NOCTI Criminal Justice			5	\$ -	7	\$ -
RHS	Autodesk Certified Associate - Inventor			85	\$ 93,238.13	10	\$ 10,970.21
RHS	Adobe Certified Associate (Dreamweaver)					7	\$ 7,679.15
RHS	Adobe Certified Associate (Photoshop)					32	\$ 35,104.67
RHS	A*S*K Certification-Entrepreneurship					2	\$ -
RHS	Introductory Child Care Training Certificates					2	\$ -
RHS	Production Agriculture					41	\$ -
RHS	Microsoft Office Specialist					17	\$ 18,649.35
SCTI	Adobe Certified Associate (Photoshop)					8	\$ 8,776.17
SCTI	Microsoft Office Specialist					20	\$ 21,940.42
SCTI	Autodesk Certified Associate - AutoCAD					5	\$ 5,485.10
SCTI	Certified Nursing Assistant (CNA)					3	\$ 3,291.06
SCTI	Certified Veterinary Assistant (CVA)			1	\$ 1,096.92	3	\$ 3,291.06

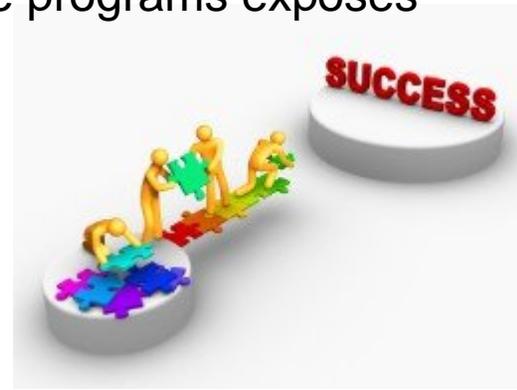
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SHS	Adobe Certified Associate (Dreamweaver)			56	\$ 61,427.48	50	\$ 54,851.04
SHS	Adobe Certified Associate (Flash)					20	\$ 21,940.42
SHS	Adobe Certified Associate (Photoshop)			71	\$ 77,881.26	63	\$ 69,112.31
SHS	Microsoft Office Specialist					139	\$ 152,485.90
SHS	NCCER Carpentry - Level 1					35	\$ 38,395.73
SHS	Certified Solidworks Associate			11	\$ 12,066.11	4	\$ 4,388.08
SHS	Certified Professional Food Manager (ServSafe)					51	\$ 55,948.06
SHS	NOCTI Health Assisting			46	\$ -	55	\$ -
SHS	NOCTI Criminal Justice			8	\$ -	6	\$ -
VHS	Adobe Certified Associate (Photoshop)			61	\$ 66,912.07	65	\$ 71,306.36
VHS	CompTIA A+			4	\$ 4,387.68	1	\$ 1,097.02
VHS	Microsoft Office Specialist					37	\$ 40,589.77
VHS	Certified Medical Administrative Assistant					7	\$ 7,679.15
VHS	Introductory Child Care Training Certificates					10	\$ -
VHS	Certified Professional Food Manager (ServSafe)					51	\$ 55,948.06
VHS	NOCTI Health Assisting			17	\$ -	41	\$ -
VHS	Certified Solidworks Associate			9	\$ 9,872.27	20	\$ 21,940.42
TOTAL		5	\$ 6,123.89	488	\$ 451,930.72	1261	\$ 1,131,028.51



SUCSESSES

- ❖ Increased site-based oversight through regular Assistant Principal cohort meetings
- ❖ Implementation of STEM Academy at each comprehensive high school
- ❖ Increasing participation and success rates for industry certification for all high school CTE programs
- ❖ Significant funding generated through industry certifications and Florida Ready to Work credentials
- ❖ Investments in Newtown campus are leading to student continuing education through enrollment in SCTI full-time programs
- ❖ New Digital Video Production program is lending support through real-world applications and contributing to Education Channel content
- ❖ Simulation equipment for SCTI's health science programs exposes students to real-time health scenarios



WHAT'S NEXT?

NOW

- Middle school CAPE Academy Planning
- SCTI Rebuild
- STEM Initiatives
- Updated Articulation with SCF



FORESEEABLE FUTURE

- ❖ New Technical Center Completed
- ❖ Further development of Career Academies
- ❖ Implementation of middle school CAPE Academies and STEM programs
- ❖ Increased student success!



WHY CTE MATTERS

Today's CTE provides students:

- academic subject matter taught with relevance to the real world
- employability skills, from job-related skills to workplace ethics
- career pathways that link secondary and postsecondary education
- second-chance education and training
- education for additional training and degrees, especially related to workplace training, skills upgrades and career advancement

“One of the biggest benefits of CTE programs is their ability to engage students in learning that is both rigorous and relevant, preparing them for postsecondary education and their future careers.”

National High School Center at the American Institutes for Research
(November 2, 2011)