



FEBRUARY 2024

Celebrate



Weekly Themes

Week 1 • February 1 - 9, 2024

CTE Programs, Career Academies, Career Readiness, Job Shadow

Week 2 • February 12 - 16, 2024

STEM/STEAM: Industry Certification, Digital Portfolios, Coding & Robotics

Week 3 • February 20 - 23, 2024

Internship, Florida Ready to Work, Preapprenticeship & Entrepreneurship

Week 4 • February 26 - 29, 2024

Career & Technical Education Student Organizations (CTSOs) & Esports

**Miami-Dade County Public Schools
Division of Academics
Department of Career and Technical Education
305-693-3030 • DCTE.Dadeschools.net**

Social Media Use hashtag #MiamiCTEMonth2024
Follow Us on Twitter and Instagram: @ctemiami

WHAT IS CAREER AND TECHNICAL EDUCATION?



92% of high school students and 69% of college and adult students are engaged in CTE, learning skills in the classroom and on the job.¹

CTE PREPARES THE WORKFORCE ACROSS A WIDE RANGE OF INDUSTRIES AND OCCUPATIONS.



CTE is delivered at comprehensive and CTE-dedicated high schools, magnet schools, area technical centers, community and technical colleges and some four-year universities.

CTE students earn industry certifications and licenses, postsecondary certificates, associate degrees, bachelor's degrees and higher.



CTE is good for students, good for businesses and good for communities.



CTE high school students are college and career ready – 94% graduate high school and most enroll directly in college.²

CTE associate degrees can pay \$10,000 more per year than associate degrees in other fields – and can even pay more than bachelor's degrees – while limiting student debt.³



CTE is the answer to the nation's projected deficit of 6.5 million skilled workers, including infrastructure, health care and manufacturing workforce shortages.⁴



LEARN MORE ABOUT CTE AT ACTEONLINE.ORG

¹ U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics (NCES), High School Longitudinal Study of 2009 (HLS:09), Base-year, 2013 Update, and High School Transcript File; U.S. Department of Education, National Center for Education Statistics, 2015-16 National Postsecondary Student Aid Study (NPSAS:16).

² Perkins Collaborative Resource Network, Perkins Data Explorer, customized Consolidated Annual Report data; U.S. Department of Education, Office of Elementary and Secondary Education, Consolidated State Performance Report, 2010-11 through 2017-18; U.S. Department of Education, NCES, HLS:09, Base-year, 2013 Update, High School Transcript, and Second Follow-Up.

³ Georgetown University Center on Education and the Workforce. (2020). *The overlooked value of certificates and associate's degrees: What students need to know before they go to college*; Schneider, M. (2013). *Higher education pays*; College Board, Annual Survey of Colleges; NCES, IPEDS Fall 2020 Enrollment data and IPEDS 2020 Institutional Characteristics data.

⁴ Construction Industry Resources as cited in Ngo, M. (2021). *Skilled workers are scarce, posing a challenge for Biden's infrastructure plan*. New York Times; Korn Ferry. (2018). *Future of work: The global talent crunch*; Strack, R., Carrasco, M., Kolo, P., Nouri, N., Priddis, M., & George, R. (2021). *The future of jobs in the era of AI*; Wellener, P., Reyes, V., Ashton, H., & Moutray, C. (2021). *Creating pathways for tomorrow's workforce today*.



Agriculture, Food & Natural Resources

Architecture & Construction



Arts, A/V Technology & Communications

Business Management & Administration



Education & Training

Finance



Government & Public Administration

Health Science



Hospitality & Tourism

Human Services



Information Technology

Law, Public Safety, Corrections & Security



Manufacturing

Marketing



Science, Technology, Engineering & Mathematics (STEM)

Transportation, Distribution & Logistics



FEBRUARY 2022

¿QUÉ ES LA EDUCACIÓN TÉCNICA Y PROFESIONAL (CTE)?



El **92%** de los estudiantes de secundaria y el **69%** de los estudiantes universitarios y adultos participan en cursos CTE, aprendiendo habilidades en el aula y en el trabajo.¹

Los programas **CTE** se imparten en escuelas secundarias integrales o dedicadas a la CTE, escuelas magnet, centros locales de formación técnica, institutos superiores técnicos, colegios comunitarios y algunas universidades de cuatro años.

Los estudiantes de **CTE** obtienen certificaciones y licencias reconocidas por sectores profesionales, certificados post-secundarios, títulos de asociado, licenciaturas y títulos superiores.

CTE es buena para los estudiantes, buena para las empresas y buena para las comunidades.

Los estudiantes de las escuelas secundarias de CTE alcanzan los objetivos de preparación para la universidad y la vida profesional: el **94%** se gradúan de la secundaria y la mayoría se matriculan directamente en la universidad.²

Con un título de asociado en CTE, se puede ganar **\$10,000 más** al año que con título de asociado en otras áreas de estudio, e incluso se puede ganar más que con un título de licenciatura, y la deuda estudiantil es menor.³

CTE es la respuesta al déficit de **6.5 millones** de trabajadores que se prevé en el país, incluyendo la escasez de mano de obra calificada en infraestructura, sanidad y manufactura.⁴

PARA MÁS INFORMACIÓN SOBRE CTE VISITE ACTEONLINE.ORG

¹ U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics (NCES), High School Longitudinal Study of 2009 (HLSL:09), Base-year, 2013 Update, and High School Transcript File; U.S. Department of Education, National Center for Education Statistics, 2015-16 National Postsecondary Student Aid Study (NPSAS:16).

² Perkins Collaborative Resource Network, Perkins Data Explorer, customized Consolidated Annual Report data; U.S. Department of Education, Office of Elementary and Secondary Education, Consolidated State Performance Report, 2010-11 through 2017-18; U.S. Department of Education, NCES, HLSL:09, Base-year, 2013 Update, High School Transcript, and Second Follow-Up.

³ Georgetown University Center on Education and the Workforce. (2020). *The overlooked value of certificates and associate's degrees: What students need to know before they go to college*; Schneider, M. (2013). *Higher education pays*; College Board, Annual Survey of Colleges; NCES, IPEDS Fall 2020 Enrollment data and IPEDS 2020 Institutional Characteristics data.

⁴ Construction Industry Resources as cited in Ngo, M. (2021). *Skilled workers are scarce, posing a challenge for Biden's infrastructure plan*. New York Times; Korn Ferry. (2018). *Future of work: The global talent crunch*; Strack, R., Carrasco, M., Kolo, P., Nouri, N., Priddis, M., & George, R. (2021). *The future of jobs in the era of AI*; Wellener, P., Reyes, V., Ashton, H., & Moutray, C. (2021). *Creating pathways for tomorrow's workforce today*.

CTE CAPACITA LA MANO DE OBRA DE UNA GRAN VARIEDAD DE INDUSTRIAS Y OCUPACIONES.



Agricultura, alimentación y recursos naturales

Arquitectura y construcción



Artes, tecnología audiovisual y comunicaciones

Administración de empresas



Educación y capacitación

Finanzas



Gobierno y administración pública

Ciencias de la salud



Hotelería y turismo

Servicios humanos



Tecnología de la información

Derecho, seguridad pública, servicios penitenciarios y vigilancia



Fabricación

Marketing



Ciencia, tecnología, ingeniería y matemáticas (STEM)

Transporte, distribución y logística



FEBRERO 2022



CELEBRATE TODAY,
OWN TOMORROW!

CTE Month[®] is a great opportunity for schools to promote their Career & Technical Education students, teachers and academics!

For Logo & Zoom Background, go to: CTE Month Webpage

To prepare for CTE Month: Create a committee of CTE and other teachers, students, guidance and administration members. Plan activities, download the logo, select material for daily announcements and social media.

Week 1 - CTE Programs, Career Academies, College & Career Readiness

- Post “**February is CTE Month**” on school’s electronic sign, on website, hang posters around the school*
- Share the video “**CTE is Cool - Miami-Dade**” on televised announcements or in classrooms*
- Announce **CTE Month/NASA Student Video Challenge***
- Arrange for Job Shadow or Guest Speakers on Groundhog Job Shadow Day, Feb. 2nd
- Share the online **CTE Career Guide** with CTE students, school staff and parents
- Middle School do further exploration on **Xello**
- Explore the college credit earned with CTE courses, by finding high school and CTE courses at [CTE Career Pathway Programs at Miami-Dade College](#) *

Week 2 - STEM/STEAM: Industry Certification, Digital Portfolios, Coding & Robotics

- Celebrate school’s **STEM / STEAM designation** school-wide, share how CTE is an integral part of STEM/STEAM
- Share [bulb CTE Month portfolio template](#) with students, they can document CTE Month or work-based learning.*
- Have students participate in the **Club of the Future “Digital Postcards to the Moon”***
- Schedule industry certification testing and celebrate student achievement of industry certification, digital literacy skills
- Hold a door or hallway poster contest incorporating STEM/STEAM CTE activities/projects.
- Attend virtual or on-site STEM event, such as college engineering fair

Week 3 - Internships, Preapprenticeships & Entrepreneurship

- Advertise **2023 Summer Youth Internship Program (SYIP)** and enroll high school students in the Schoology lessons and in **Florida Ready to Work Soft Skills module** (9, 10, 11 grade students are eligible)*
- Invite 12th graders to share their internship presentations with juniors, school staff, parents, and others
- Host guest speakers from industry, or participate in mock job interviews
- Videotape business plan or other **entrepreneurship projects**, share with industry and school leaders
- Register your students for **Rubin Education’s national contest called Amerca’s Next Great Intern!** The contest runs the month of February 2024. <http://rubineducation.com/contest/> * (Rubin is Partner of ACTE)

Week 4 - Career & Technical Education Student Organizations (CTSOs) & E-Sports

- Promote membership of CTSO with display table at the school during lunch, before or after school
- Let students and parents know about course credit earned with CTSO activities*
- Leadership Through Service Day: hold a car care clinic, donate items to a local shelter or children’s floor at a hospital, conduct a clean up/early spring landscape program at your school.
- Club Advisor Appreciation Day: thank-you cards signed by everyone in your chapter, bake them a cake, or give them a special shout-out during announcements.
- Hold a meeting with another club on campus or by zoom with other school chapters (middle and/or high school) share with each other your club’s accomplishments.
- Hold an E-Sports contest demonstration live through zoom, post “fan art” online and in school building

* **Find resources and links at DCTE.dadeschools.net**

Work-Based Learning *Celebrate*

February 2024



**CELEBRATE TODAY,
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What is work-based learning?

In Miami-Dade it consists of hands-on, in-depth student experiences, engaging students in CTE labs, and at industry partner worksites. It is planned as a “continuum” of experiences, through students 4 years of high school CTE academy or program classes. Work-based learning also begins in many middle school CTE courses.

As a result, CTE students graduate college and career ready.

See CTE Career Guide, and learn More at DCTE.dadeschools.net

Career Exploration 9th Grade

Hands-on Learning and Building Knowledge of Career Options

Career Fairs

Interest Inventory

Guest Industry & College Speakers

Worksite Tours

CTE Student Organization (CTSO) participation

Introductory technical skills

Career Exposure 10th Grade

Introduction to industry career pathways. In-depth hands-on learning school & work sites

Continue WBL from past grades

Business Tours

Job Shadow

Youth Entrepreneur Program Mentoring

Construction Career Day

Engineering Expo

CTSO career competitions

Industry Certification training

Digital Resume and Eportfolio

Virtual / Simulated work-based skills and focusing on

Career Experience 11th Grade

Develop specific occupational knowledge and skills

Continue WBL from past grades

Student Industry Conference

Summer Youth Internship (SYIP)

Co-Op Ed. On-the-job training (OJT)

Digital resume and eportfolio

Advanced CTSO contests, ex: Innov@te-CTEC

Esports, Robotics, Cybersecurity contests

School-Based Enterprises. Ex: Student-run EdFed Credit Union branches, Early Childhood Ed. students training in school-site daycare centers

Preapprenticeship, first year of 2-years

Industry Certification and Employability Skills with Florida Ready to Work Digital and Academic Skills modules

Clinicals/Practicum

12th Grade

Career Preparation

Sustained, indepth, occupation-specific, skill-building work-based learning

Continue WBL from past grades

Clinicals in various areas

Co-Op Ed. / OJT

Earn advanced Industry Certification

School-Based Enterprises

Capstone Projects Industry Mentors

Preapprenticeship, 2nd year training

Achieve Dual Enrollment College or CTE Credit

Industry Certification and Employability Skills with Florida Ready to Work Digital and Academic Skills modules



Examples of work-based learning may vary by CTE program and/or school

Work-based learning activities are not confined to grade levels and may vary by school and/or academies. Career exploration begins in many of the M-DCPS middle schools and K-8 academies. Please contact school for more details.

M-DCPS Career & Technical Education offers a continuum of Work-based learning opportunities, as defined by Federal Law (Perkins V) and Florid Law (§446.0915, Fla. Stat.)



CELEBRATE TODAY,
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Suggestion: During school announcements, read sample announcements or trivia questions each morning (give answers to trivia questions during the afternoon or next day announcements.)

For televised announcements, or during classes, share the video “CTE is Cool - Miami-Dade” at dcte.dadeschools.net or other videos from CTE YouTube Channel: [Playlist “CTE Month”](#)

- Career and Technical Education (CTE) is at the forefront of preparing students to be “College and Career Ready.” CTE equips students with core academic skills, employability skills and job-specific, technical skills related to a specific career pathway. 92% of all high school students in the U.S. are enrolled in CTE.
- The top three skills and experiences that students report gaining in their CTE classes are: 1) technical, specific job skills; 2) real-world examples to help them understand academic classes and 3) the chance to work as part of a team.
- M-DCPS CTE department won competitive Preapprenticeship grant of \$290,000 for construction trades and IT programs leading to apprenticeship programs at FIU and Miami Dade College.
- M-DCPS NAF Academies outperformed all U.S. school districts: Forty-three of our district’s 76 NAF academies awarded by NAF as Distinguished, the highest level of achievement.
- Esports participation has grown in past year. Over 20 STEM/STEAM-designated schools, with strong CTE programs in IT and other CTE STEM areas.
- The 2022 Summer Youth Internship Program had \$4.7 million investment from sponsors: Career-Source South Florida, The Children’s Trust, Miami-Dade County Government and Ed-Fed - The Educational Federal Credit Union with 2,729 student interns from 65 high schools, 695 internship providers.
- More than 300,000 U.S. jobs needing cybersecurity skills are unfilled, companies are needing to hire workers for these jobs. CTE Information Technology high school and technical college programs are helping fill the need for skilled workers, aligning all programs to Miami-Dade Beacon Council targeted careers.
- Almost 1/3 of CTE students have the opportunity to earn college credit and/or an industry certification through CTE nationwide. Miami-Dade students have a much higher percentage.
- 70% of CTE students say entering a CTE program of study helped them achieve better grades.
- 11 of the 20 fastest-growing jobs nation-wide are in the health care field.
- HOSA-Future Health Professionals, the career and technical student organization for health science, has more than 200,000 members.
- From 2016 to 2026, employment in transportation and logistics will add 634,400 new jobs. M-DCPS has added several CTE academies for logistics career preparation.

Facts from ctemonth.org



CELEBRATE TODAY,
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2023-2024 Student Video Challenge

Sponsored by

CTE Month® And NASA HUNCH



The Association for Career & Technical Education (ACTE) and NASA HUNCH are hosting, for the sixth year, the student video challenge, celebrating Career and Technical Education (CTE) and project-based learning programs.

Purpose: Offer students the opportunity to showcase the application of CTE and project-based learning programs in high-demand 21st century career fields on Earth as well as in space.

Goal: Inspire students by sparking their imagination and creativity as well as broadening their knowledge about STEM careers through the CTE Month and NASA HUNCH student video challenge.

Video Challenge Theme: *“Why Go to the Moon?”*

- Showcase career and technical education courses and careers that are and will be needed to help fulfill current and future NASA missions.
- The contest is open to students of all ages, including elementary, middle school, high school and post-secondary students in any school or who is homeschooled. Students may enter as individuals or as a team. However, students can submit only one video per year.

Deadline to submit video to ACTE is Monday, April 1, 2024 at 11:59 p.m. EST

- Video entries must be 2 minutes or less in length and include name of school, year (2023-24), and names of video creators and participants (credits)
- Entries must incorporate the **CTE Month and NASA HUNCH logos**.
- Entries must incorporate the following message, presented as text on-screen and/or spoken by talent: **“Learn more about career and technical education at ctemonth.org and NASA HUNCH at nasahunch.com.”**
- Videos must be a minimum video resolution of 1280 x 720 format, or an audio independent format (e.g., Instagram square composition).
- Teachers and students will need to fill out different forms that can be found at: nasahunch.com/get-involved. Note that teachers will need to first email florence.v.gold@nasahunch.com to receive an authorization code, and after they receive an authorization code, they can then sign up their students.
- Videos can be presented in student’s language of choice. However, if not in English, include readable subtitles.
- Download study guide for complete directions for video submission, music or media, samples of winning videos, tips, go to: [GUIDELINES and INSTRUCTIONS FOR SUBMISSION - CLICK HERE!](#)

Or VISIT ctemonth.org

Please note: ACTE and NASA HUNCH retain the copyright on any submitted material and reserve the right to use the material in any way or format they see fit. Entries cannot be used for any commercial activity.

About CTE Month® and NASA HUNCH

ACTE, empowering educators to deliver high-quality CTE programs that ensure students are positioned for career success, is host to the annual CTE Month® awareness campaign held each February.

HUNCH stands for **High School Students United with NASA** to Create Hardware and is looking to extend its message of inspiring students through project-based learning to CTE students across the nation. NASA HUNCH high schools offer students the opportunity to launch their careers through the participation in the design and fabrication of real world valued products for NASA.

NOTE: Contest is not sponsored by Miami-Dade County Public Schools

CTSO SHOWCASE

Celebrate



Career and Technical Education Student Organizations February 2024

M-DCPS is very proud to showcase our Career and Technical Student Organizations (CTSOs), serving over 21,000 CTE students district-wide. CTSOs competitions and leadership activities are integrated into CTE curriculum to extend work-based learning through innovative programs, business and community partnerships and leadership experiences at the school, state and national levels.

For **MORE RESOURCES** and **INFORMATION**, Select the CTSO tile below to go to national CTSO website, demonstrate or allow students to explore websites.

Showcase of CTSOs

**CELEBRATE TODAY,
OWN TOMORROW!**

NATIONAL CTSO RECOGNITION DATES in February

- National FBLA Week (February 11-17, 2024)
- National FCCLA Week (February 12-16, 2024)
- National FFA Week (February 17-24, 2024)
- National SkillsUSA Week (February 5-9, 2024)



DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe.

■ www.deca.org



Bringing business and education together in a positive working relationship through innovative leadership and career development programs.

■ www.fbla-pbl.org



To promote personal growth and leadership development through Family and Consumer Sciences education. Focusing on the multiple roles of family member, wage earner and community leader, members develop skills for life through: character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation.

■ www.fcclainc.org



Making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agriculture education.

■ www.ffa.org



The Florida Public Service Association provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, problem-solving skills, employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Law, Public Safety and Security career cluster. FPSA will continue to accelerate students in "mastery and command of subject matter" to promote STEM related skills in the classroom and at state conference/competitions.

■ myfpsa.us



The mission of HOSA is to enhance the delivery of compassionate, quality health care by providing opportunities for knowledge, skill and leadership development of all health science education students, therefore, helping the student meet the needs of the health care community.

■ www.hosa.org



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel.

■ www.skillsusa.org



The Technology Student Association fosters personal growth, leadership, and opportunities in technology, innovation, design, and engineering. Members apply and integrate science, technology, engineering and mathematics concepts through co-curricular activities, competitive events and related programs.

■ www.tsaweb.org

**DON'T JUST STAND AROUND THIS SUMMER.
EARN WHILE YOU LEARN.**



OPPORTUNITY KNOCKS



Register today for an exciting, **PAID** summer internship opportunity.



- Miami-Dade County Public School Students
- Grades 10-12
- Ages 15-18
- Earn Academic Credit (High School/College)



MiamiInterns.org

STEM IS CTE



There is no better STEM Laboratory than a CTE Classroom!

Hands-on activities are key to increasing skill proficiency and achievement in science. CTE classrooms serve as learning laboratories and they impact technical, academic and employability skills to prepare students for college and careers.

2 Million students nationwide participate in career and technical student organizations (CTSOs). Students make use of their STEM skills to solve problems in their organization's competitions.

7.6 Million In 2010, there were 7.6 million STEM workers in the United States, representing about 1 in 18 workers.*

26% STEM workers command higher wages, earning 26 percent more than their non-STEM counterparts.*

17% STEM occupations are projected to grow by 17 percent from 2008 to 2018, compared to 9.8 percent growth for non-STEM occupations.*

202,619 CTE professionals create learning environments that connect the core academics behind the theories of STEM to create engaging and real-world learning laboratories.

* Langdon et al., STEM: Good Jobs Now and for the Future, U.S. Department of Commerce Economics and Statistics Administration ESA Issue Brief #03-11, July 2011.

College and Career Ready through CTE



When APPLIED TECHNICAL LEARNING

is integrated with RIGOROUS ACADEMICS,

students develop the SKILLS NEEDED FOR SUCCESS.

The technical, academic and employability skills that students gain in CTE programs, through CTE courses, work-based learning, career and technical student organizations and dual/concurrent enrollment, are essential for college and career success.

CTE programs prepare students for college and careers:¹

The top 3 SKILLS and experiences that students report gaining in their CTE classes are:

1



SKILLS to help them get jobs in the future

2



REAL-WORLD EXAMPLES

to help them understand academic classes

3



The chance to work as **PART OF A TEAM**



More than **88** percent of CTE students are planning to continue on to postsecondary education.

6

in 10 students



are planning to pursue a career related to the CTE area they are exploring in high school.



Almost **1/3** of CTE students have the opportunity to earn college credit and/or an industry certification through CTE.

¹Source: My College Options®/ACTE research study (2016). National sample includes 40,192 high school CTE students.

CTE students demonstrate the academic, technical and employability skills needed for postsecondary and workplace success:



80 percent of students taking a college prep academic curriculum with rigorous CTE meet college and career readiness goals, compared to only 63 percent of students taking the same academic core who did not experience rigorous CTE.²



Students attending CTE high schools demonstrate higher rates of on-time graduation and credit accumulation and a greater likelihood of successfully finishing a college prep math sequence.³



CTE students are significantly more likely to report developing problem-solving, project completion, research, work-related, communication, time management and critical-thinking skills during high school.⁴



Postsecondary CTE concentrators earn significantly more than those who majored in academic fields, particularly when employed in an industry related to their program of study.⁵

² Southern Regional Education Board, High Schools That Work 2012 Assessment

³ Neild et al., The Academic Impacts of Career and Technical Schools: A Case Study of a Large Urban School District, 2013

⁴ Lekes et al., CTE Pathway Programs, Academic Performance and the Transition to College and Career, National Research Center for CTE, 2007

⁵ Jacobson and Mokher, Florida Study of Career and Technical Education, 2014, as cited in the 2014 National Assessment of CTE Final Report



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For Logo & More...
CTE Website

M-DCPS Career and Technical Education

Website <https://dcte.dadeschools.net>
Facebook www.facebook.com/CTEMiamiDade
Twitter www.twitter.com/ctemiami
Pinterest www.pinterest.com/ctemiami
Instagram www.instagram.com/ctemiami
YouTube www.youtube.com/@CTEAMIAMI

CTE Month

- [CTE and Industry Certification](#)
- [ACTE Social Media Tips](#)

CTE Websites

Association for Career and Technical Education
www.acteonline.org

Florida Association for Career and Technical Education
(FACTE)
www.facte.org

U.S. Department of Education/Office of Career, Technical,
and Adult Education (OCTAE)
www.ed.gov/about/offices/list/ovae

Florida Department of Education
Career and Adult Education
www.fldoe.org/academics/career-adult-edu

College Information

M-DCPS Technical Colleges
www.careerinayear.com/

Miami Dade College High School Webpages
www.mdc.edu/highschool/

Earn free MDC college credits with
CTE programs
on CTE website: <https://dcte.dadeschools.net>

Florida Shines
www.floridashines.org/

Florida Student Financial Aid
www.floridastudentfinancialaid.org

Career Information

Florida's Workforce Education Initiative
<https://gettherefl.com/>

CareerSource South Florida
www.careersourcesfl.com/

America's Career OneStop
www.careeronestop.org/Toolkit/ACINet.aspx

Careers.org
www.careers.org

Florida Dept. of Economic Opportunity
www.floridajobs.org

Florida NEXT Magazine
www.floridanext.com

Florida Ready to Work
www.floridareadytowork.com/

STEM

M-DCPS District STEAM website
<http://STEM.dadeschools.net/>

Girls in Engineering
www.engineergirl.org/

Hour of Code
code.org/

When posting on Twitter, Facebook, Instagram, Pinterest, LinkedIn, etc.
Please tag: @ctemiami @mdcps @MDCPSSTEAM Use hashtag: #MiamiCTEMonth2024



CELEBRATE TODAY,
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Who was the founder of “Career Guidance” in 1908?

Answer: In 1908, Frank Parsons established the first vocational guidance clinic and outlined the basic principles of vocational guidance, cementing him as the founding father of vocational psychology. (www.celebratecareers.com)

The 16 Career Clusters were validated through a national effort managed by the National Association of State Directors of CTE Consortium. What is a career cluster? Give at least 4 examples.

Answer: A Career Cluster is a grouping of occupations and industries based on common traits. Health Science; IT; Engineering; Agriculture, Food, & Natural Resources; Architecture & Construction; Arts, A/V Technology & Communication; Business Management; Education; Finance; Government & Public Administration; Hospitality & Tourism; Human Services; Law, Public Safety & Security; Manufacturing; Marketing, Sales & Service; Transportation, Distribution & Logistics

Name the Career and Technical Ed. Student Organization (club) that represents Agriscience students. (Customize this question to your school’s CTSO clubs: DECA, FCCLA, FFA, SkillsUSA, etc.)

Answer: FFA

What is an industry certification? (Name at least three examples.)

Answer: An industry certification is a verification of an individual’s competence in an industry skill issued by a third party with the relevant authority to issue the credential or certificate. (Examples: ServSafe, Microsoft Office Specialist, Cisco, Pharmacy Technician, Adobe Certified Associate, etc.)

What does STEAM stand for? What is the difference between STEM and STEAM? (Do you know the STEM/STEAM designation for our school?)

Answer: STEAM stands for Science, Technology, Engineering, Art and Mathematics. STEM focuses only on Science, Technology, Engineering and Mathematics (not integrating the Arts.)

Which city is home to the first career academy in the United States? Bonus: What is the name of the school?

Answer: Philadelphia is the city which is home to the first career academy.

Bonus: Edison High School in Philadelphia

Why was U.S. Rep. Carl D. Perkins important to Career and Technical Education?

Answer: Carl Dewey Perkins was a Member of the U.S. House of Representatives, from Kentucky. He was the chairman of the Committee on Education and Labor (1967–1984). While a part of the committee, his work helped produce the Economic Opportunity Act of 1964 and Head Start. He was also a supporter of the Civil Rights Act.

Perkins's legacy of support to education and the under-privileged is shown by the federal student loan called the Perkins Loan, named for him, as is the Carl D. Perkins Career and Technical Education Improvement Act of 2006, which provides federal funds for career and technical education.