Greenville County Schools

Building a Better GRADUATE

Graduation Plus

Creating Career and College Ready Students

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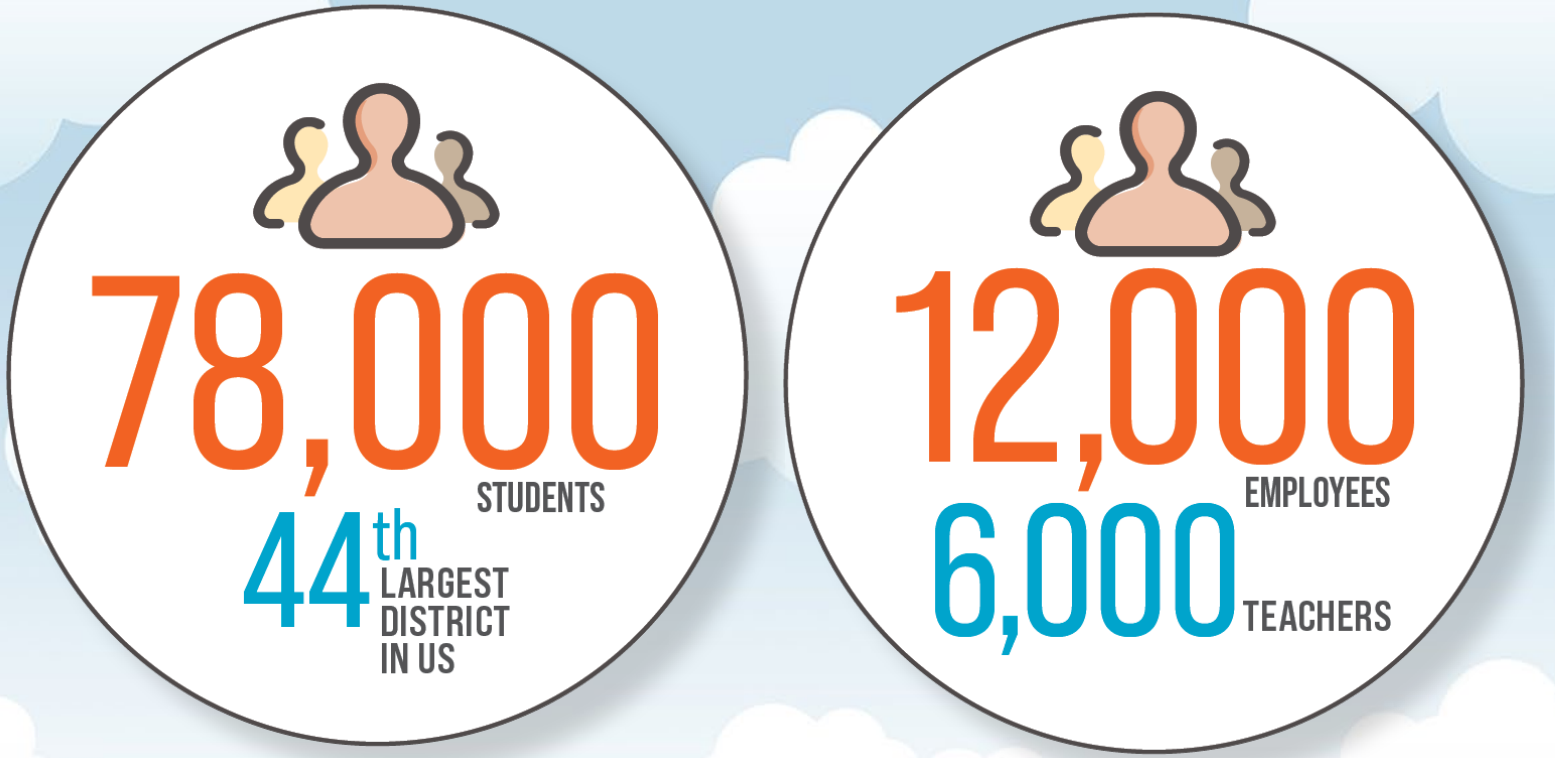
A4LE CTE Symposium 2 | March 2, 2024

The Essentials



GCS Teacher Turnover Rate of **10.4%**
Compared to **13.1%** statewide in 2022-23
Down from **12.1%** in 2021-22

76 Home **Languages Spoken**

85,000
Healthy **Meals Served** Each Day

12 Member Elected **School Board**

15% Utilize **School Choice,** Including Virtual Program

19,000 **PTA Members** Highest in SC

38,000
Miles Traveled by buses each day

Our Students

PUPILS IN POVERTY*

55.7%

STUDENTS WITH DISABILITIES

15.8%

MULTILINGUAL LEARNERS

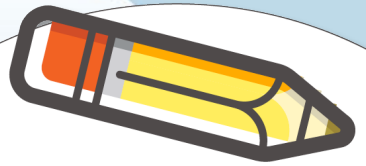
18.8%

HOMELESS STUDENTS

2.1%

**PIP Determined by Eligibility for SNAP, TANF, or Medicaid, or Status as Foster, Migrant, or Homeless Student*

Financial Basics

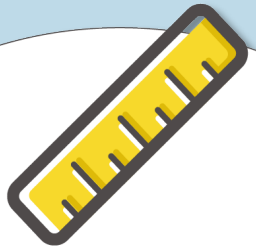


$57

PER DAY PER STUDENT

11th LOWEST

PER PUPIL EXPENDITURE COST IN SOUTH CAROLINA



LOWEST ADMINISTRATIVE COST IN SOUTH CAROLINA

<1%

Financial Reporting Award of Excellence
for **36 CONSECUTIVE YEARS**

General Fund FY24 Budget:
= $864 million

The Scope

106

ACTIVE FACILITIES

83

NEWLY CONSTRUCTED OR RENOVATED SINCE 2003

DISTRICT SPANS

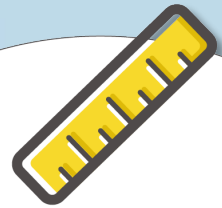
800

SQUARE MILES

12.8 MILLION

SQ. FT. OF OCCUPIED BUILDING SPACE

3,000 ACRES OF GROUNDS



ADDITIONS

OPENING IN AUGUST 2024

ELLEN WOODSIDE ES
FORK SHOALS ES
MOUNTAIN VIEW ES
SIMPSONVILLE ES
SUE CLEVELAND ES

FOUNTAIN INN HS
RMSC ENVIRONMENTAL SCIENCE BUILDING

Opened 2021

CTE INNOVATION CENTER AT ROPER MOUNTAIN

Opened 2023

NEW ELEMENTARY SCHOOL AT OLD J.L. MANN SITE

Opens
August 2025

Graduation Plus: Our Signature Initiative

BUILDING A BETTER GRADUATE!

Graduation Plus: College Credits Earned*

3,543
Dual Credit

+12,543
Advanced Placement

16,086
Total Potential College Credits 2016-17

11,104
Dual Credit

+17,583
Advanced Placement

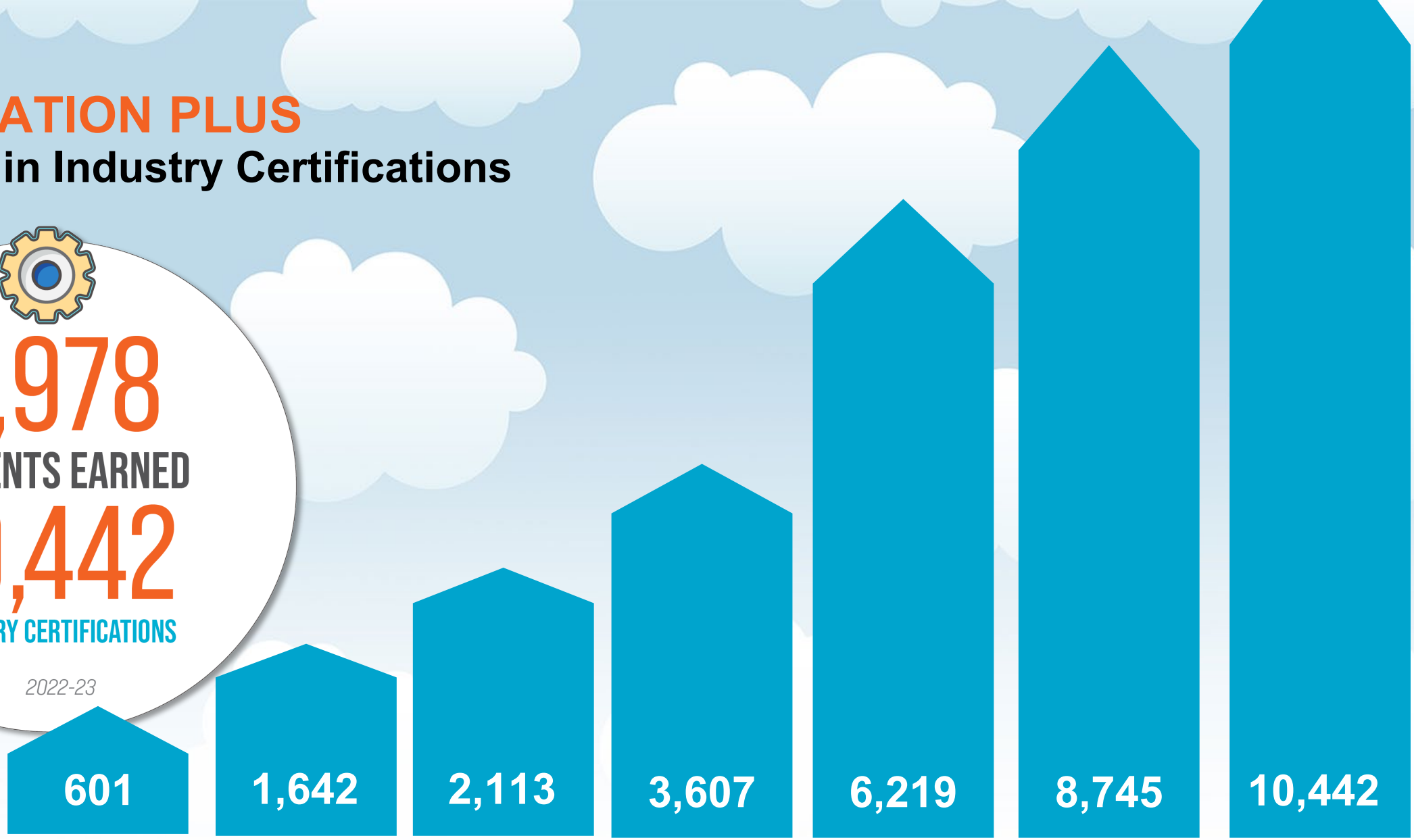
28,687
Total Potential College Credits 2022-23

*International Baccalaureate exams not included

GRADUATION PLUS

Increase in Industry Certifications

4,978
STUDENTS EARNED
10,442
INDUSTRY CERTIFICATIONS
2022-23



GRADUATION PLUS

Graduates Achieving Graduation Plus

75%

OF GCS CLASS OF 2023 ACHIEVED GRADUATION PLUS

5,019 STUDENTS

3,783 ACHIEVED G+

61% CLASS OF 2022
58% CLASS OF 2021
52% CLASS OF 2020

GRADUATION PLUS: COLLEGE CREDIT

32 Advanced Placement (AP) Course Offerings

- 2D Art and Design
- 3D Art and Design
- Art History
- Biology
- Calculus AB
- Calculus BC
- Chemistry
- Computer Science A
- Computer Science Principles
- Drawing
- English Language and Composition
- English Literature and Composition
- Environmental Science
- European History
- French Language and Culture
- Human Geography
- Macroeconomics
- Microeconomics
- Music Theory
- Physics 1
- Physics 2
- Physics C: Electricity and Magnetism
- Physics C: Mechanics
- Psychology
- Research
- Seminar
- Spanish Language and Culture
- Spanish Literature and Culture
- Statistics
- United States Government and Politics
- United States History
- World History: Modern

GRADUATION PLUS: DUAL-CREDIT

101 Different Dual-Credit Course Offerings

HIGHLIGHTS

- Aircraft Maintenance
- Astronomy
- Anatomy and Physiology
- Entrepreneurship
- Business Ethics
- Criminal Law
- Diesel Mechanics
- Engineering Design and Modeling
- History, Technology and Society
- Hydraulics and Pneumatics
- Analytical Geometry & Calculus I, II, and III
- Information Systems

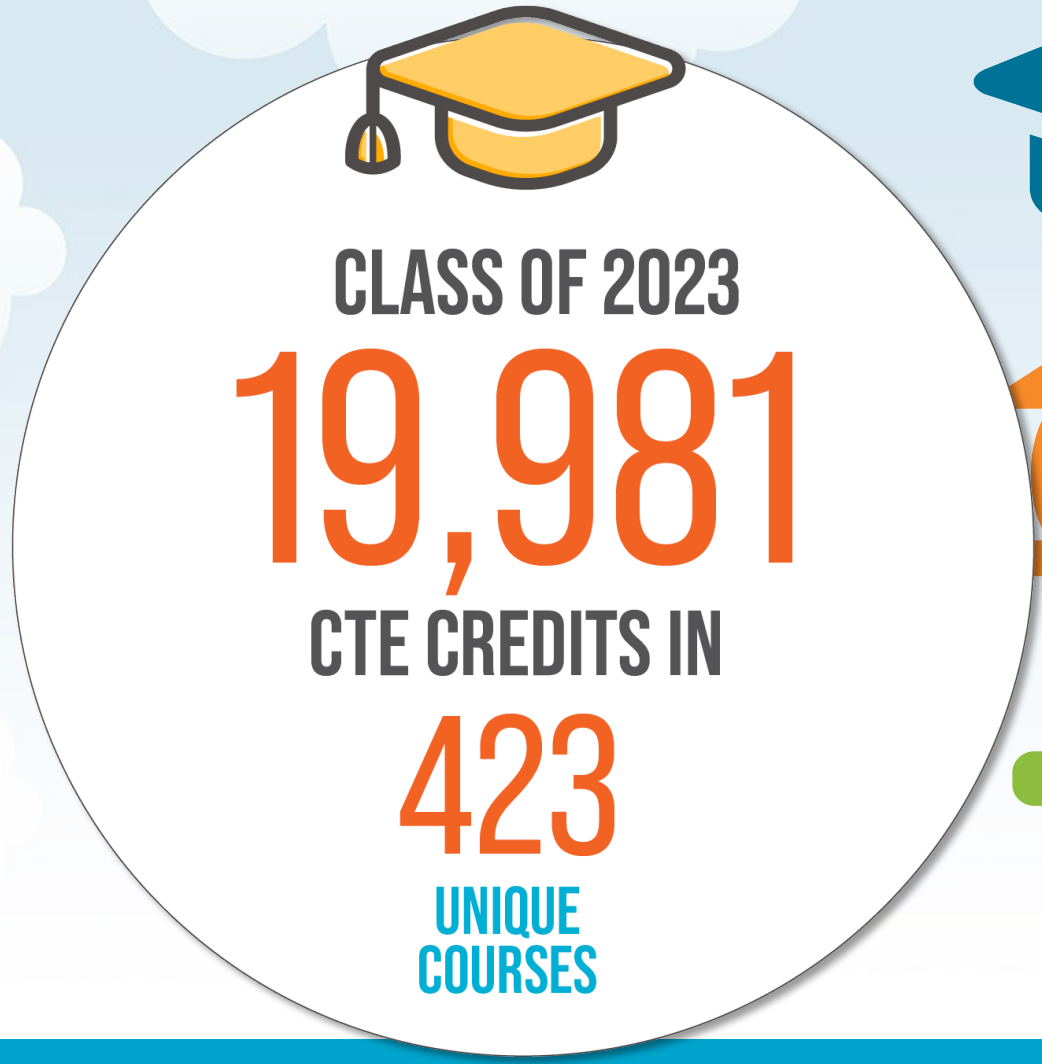
Full List Available Here:

http://tiny.cc/4efavz

GRADUATION PLUS:
CAREER AND TECHNICAL EDUCATION (CTE) OFFERINGS

5 Programs at New CTE Innovation Center:

- Aerospace Technologies
- Automation and Robotics
- Clean Energy Technology
- Emerging Automotive Research
- Networking/Cybersecurity



GRADUATION PLUS:
CAREER AND TECHNICAL EDUCATION (CTE) OFFERINGS

19 Programs at the Four Regional Career Centers:

- Architectural and Mechanical Drafting Design
- Automotive Collision Repair
- Automotive Technology
- Barbering/Master Haircare
- Building Construction
- Cosmetology
- Culinary Arts
- Diesel Technology
- Digital Art and Design
- Emergency Medical Technician
- Esthetics
- Firefighting
- Graphic Communications
- Heating, Ventilation, and Air Condition (HVAC)
- Law Enforcement
- Machine Tool Technology
- Mechatronics
- Nail Technology
- Welding
- Plus Career Exploratory

GRADUATION PLUS:
CAREER AND TECHNICAL EDUCATION (CTE) OFFERINGS

28 Programs at the Regular High Schools:

- Accounting
- Agricultural Mechanics and Technology
- Banking Services
- Biomedical Sciences
- Business Finance
- Business Information Management
- Computer Programming
- Digital Art and Design
- Emergency Medical Services
- Environmental and Natural Resource Management
- Family and Consumer Science
- Game and Interactive Media Design
- General Management
- Global Logistics and Supply Chain Management
- Health Science
- Horticulture
- Hospitality and Tourism
- Law Enforcement Services
- Machine Tool Technology
- Marketing Communications
- Mechatronics
- Media Technology
- Operations Management
- Plant and Animal Systems
- Pre-Engineering
- Programming and Software Development
- Sports Medicine
- Web and Digital Communications

GRADUATION PLUS:

255 CERTIFICATIONS AVAILABLE

Full List Available Here:
http://tiny.cc/zcgavz

Including:

- Occupational Health and Safety Administration (OSHA) Certification
- Microburst Employability Credential – Soft Skills
- Basic Life Support for Health Care Providers
- American Welding Society Certification
- CISCO Certified Network Associate
- South Carolina Nail Technician License
- SCFA Certificate NFPA 1001 Firefighter I-1196
- ASE: Auto Technology-Suspension and Steering
- AutoDesk Auto CAD (Computer Aided Design)
- Snap-On/NC3: Rotor Matching Master Technician Certification
- Emergency Medical Responder
- National Incident Management System Certification

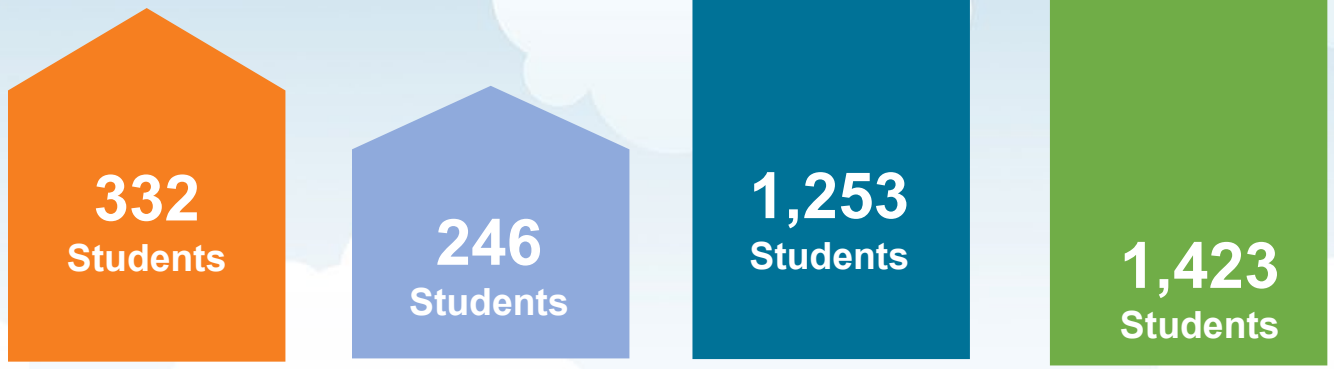
GRADUATION PLUS Work-Based Learning

Paid and Unpaid Internships,
Paid Co-ops, and
Paid Apprenticeships

1,423

TOTAL NUMBER OF WORK-BASED LEARNING STUDENTS

INTERNSHIPS, CO-OPS & APPRENTICESHIPS



2019-20 2020-21 2021-22 2022-23

543 Work-Based Learning Partners in 2022-23:

Private Businesses, Nonprofit Organizations, and Public Agencies

GRADUATION PLUS:
INNOVATIVE UNIVERSITY PARTNERSHIPS

- **PRISMA Health Youth Apprenticeship** – Greenville Technical College
- **Expressway to Tiger Town** *(future educators)* – Clemson University, Greenville Technical College
- **Fine Arts Center – Art in Architecture** – Clemson University, College of Charleston
- **Aircraft Maintenance Certification Program** – Greenville Technical College
- **EMT Certification Program –** Greenville Technical College
- **Accelerate Engineering –** Governor's School for Math and Science, Various State Universities

Future Teacher Pipeline

Teacher Pipeline Path

Year 1

Complete Required Dual Credit Courses during HS

SUMMER

Year 2

Complete Associate's Degree at Greenville Tech

SUMMER

Years 3 & 4

Complete Bachelor's Degree at Clemson University

Future Teacher Academy Courses

Course 1

World of Education

Honors

Course 2

Experiencing Education

ED1400 (2)
ED4380 (1)

Dual Credit

Course 3

Preparing for Education

ED2400 (3)

Dual Credit

Expressway to Tiger Town!

Other College Education Program

FUTURE TEACHER ACADEMY
Opening a World of Education!

Future Teacher Academy
LOVE FIRST! TEACH SECOND!

Future Teacher Academy
PREPARE
SUPPORT
INSPIRE
GREENVILLE COUNTY SCHOOLS

Expressway to Tiger Town

- High School Dual Enrollment Courses through Greenville Tech Based on Chosen Path (15 Hours)
- Greenville Technical College Summer Session
- Automatic Acceptance to Clemson University
- Program Approvals and Structure Allow Duplication by Any School District, Technical College, and Public Post-Secondary Institution in South Carolina

Aircraft Maintenance Pipeline

Years 1&2
High School

Complete Dual Credit Courses during Grades 11&12

Year 3
Post-High School

Lockheed Martin Youth Apprentice-ship Program

Complete Greenville Tech Coursework

Technicians at Lockheed Martin start at $18.75/hour and are paid while they are continuing their education with Greenville Technical College

LOCKHEED MARTIN

Greenville Technical College

EMT Pathway

EMT Pathway

High School

Complete Coursework, then Test to Attain National and State EMT Certification

Post-High School

Enter Workforce as Fully Qualified EMT

Continue in a Health Career Pathway at Technical College

Complete Bachelor's or Beyond (Medical School, PA School, etc.)

Work as EMT during higher ed helps pay for school and counts toward clinical experience

Prisma Health Youth Apprenticeship Program

High School

27 college credits/ Equivalent of 3 semesters earned during high school = All nursing program pre-requisites

Complete Dual Credit Courses during High School

Employment at Prisma as Nursing Support Assistant

Post-High School

Complete Nursing Coursework at Greenville Tech

Future Employment Opportunities at Prisma Health

PRISMA HEALTH℠

Greenville Technical College

GRADUATION PLUS AND ITS COMPONENTS CAN BE REPLICATED…

…Whether You Have 15 High Schools, 25 High Schools, or 1 High School

Requirements:

- FOCUS – District-wide and by Every Employee
- Allocation of EXISTING Resources
- PARTNERSHIPS
  - Higher Ed
  - Business and Industry
  - Other Districts if Needed to Scale

HIGH SCHOOL
DIPLOMA

+

COLLEGE
CREDIT

+

INDUSTRY
CERTIFICATION

BUILDING A BETTER GRADUATE!

QUESTIONS?

CTE INNOVATION CENTER at ROPER MOUNTAIN

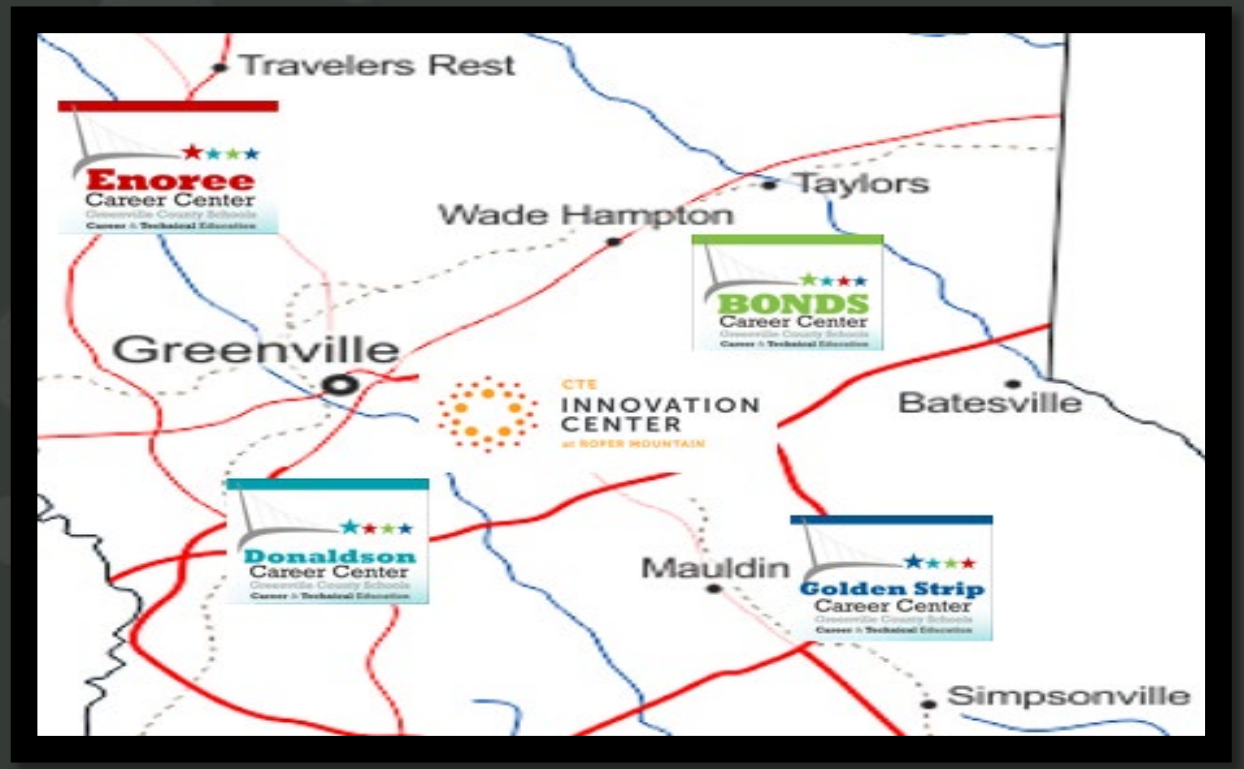
GREENVILLE COUNTY SCHOOLS

Inspire | Support | Prepare

CTE
INNOVATION
CENTER
at ROPER MOUNTAIN

Career Centers

- Auto Tech/Collision
- Diesel
- Culinary
- Firefighting/Law Enforcement
- Graphic Design
- Human Services
- Mechatronics
- Machine Tool
- Welding



High Schools

- Agricultural Science
- Business Education
- Information Technology
- PLTW (Biomed, Engineering, Comp. Science)
- Health Science
- Family & Consumer Science
- Hospitality
- Logistics

CTE in Greenville County Schools

GADC

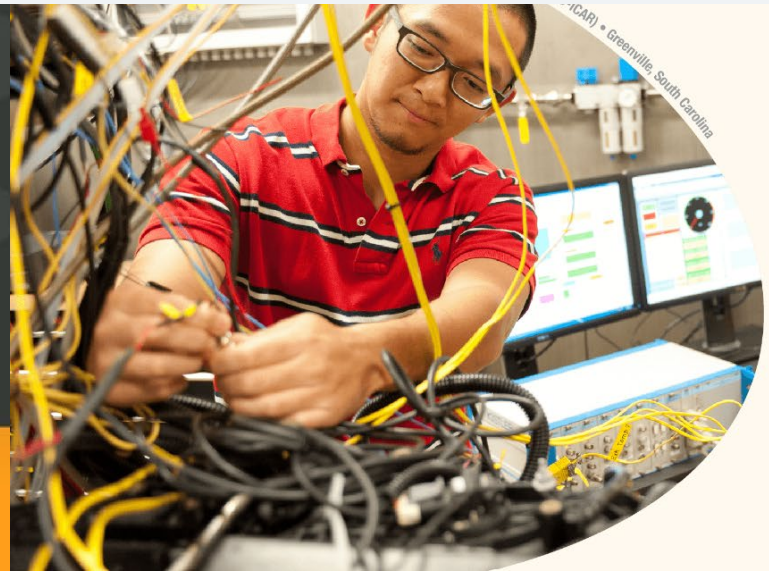
Greenville Area Development Corporation

2019 – 2021
Focus Group
Future Programs:
Biomedical/Virtual Reality/AI

Target Industries

- **Advanced Materials**
- **Mobility**
- **Aviation/Aerospace**
- **Life Sciences**
- **Professional and Tech Services**

Greenville Chamber



Education

What differentiates Greenville is the community's focus on developing the workforce of the future. With cutting-edge initiatives, particularly around STEM, our community is dedicated to developing the right skills and knowledge to help your business flourish. Our students attend schools that cater to our state's and county's target industries. Additionally, partnership programs between Greenville County Schools, Greenville Technical College, and local employers connect businesses to high school and college-aged students with a range of education and training to ensure they have real-world learning. The Upstate Region has over a dozen higher education institutions for students, including three technical schools, two community colleges, and 12 four-year universities.

Contact our Marketing and Research Manager or visit our Key Data tool for more information about Greenville County's Education System.

CTE

INNOVATION CENTER

at ROPER MOUNTAIN

aerospace technologies

CTE INNOVATION CENTER

clean energy technology

CTE INNOVATION CENTER

automation and robotics

CTE INNOVATION CENTER

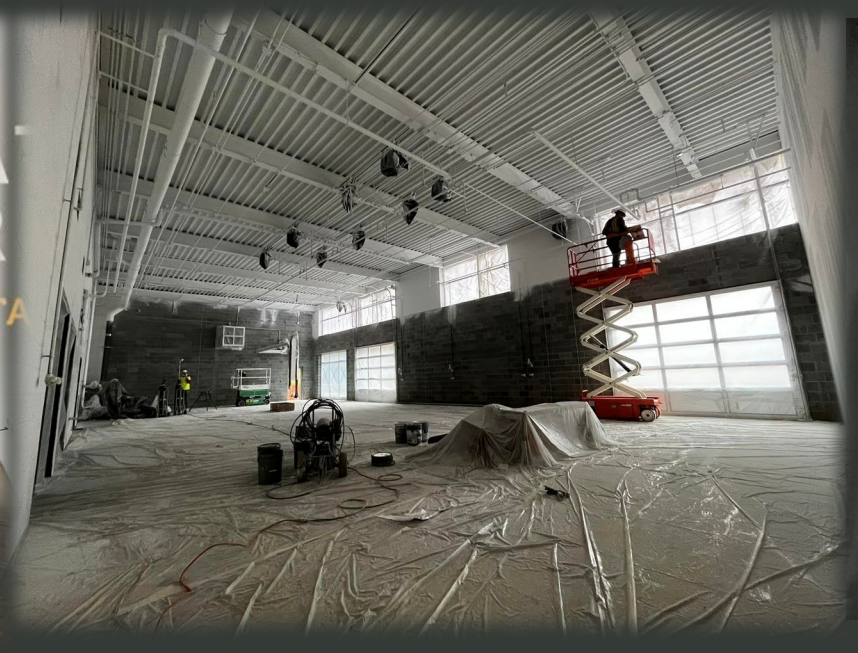
networking/ cybersecurity

CTE INNOVATION CENTER

emerging automotive research

CTE INNOVATION CENTER

JTEKT
KOOPS AUTOMATION SYSTEMS
SAGE Automotive Interiors
SC AEROSPACE
YOU'RE CLEARED TO LAND IN SOUTH CAROLINA
Greenville Technical College
RAYMOND CAROLINA HANDLING
ARA
ReWa renewable water resources
Greenville Downtown Airport
Snap-on
CUICAR
CLEMSON UNIVERSITY INTERNATIONAL CENTER FOR AUTOMOTIVE RESEARCH
SC MEP
SOUTH CAROLINA MANUFACTURING EXTENSION PARTNERSHIP
Milliken
GREENVILLE COUNTY SCHOOLS
Inspire | Support | Prepare
Everworks Inc.
ecpi UNIVERSITY
DC BLOX
ITW HARTNESS
Proven innovation. Powerful commitment.
infintium
BMW
KELLEY ENGINEERING
ZF
TRANE TECHNOLOGIES
MICHELIN
DUKE ENERGY
STEVENS AEROSPACE AND DEFENSE SYSTEMS
chargepoint
MAGNA
BUILD CAROLINA
Greenville Chamber
Hendtech LLC
Greer amber of Commerce
rexroth A Bosch Company
DODGE
South Carolina Department of Commerce
Just right for business.
GSA GOOD SENSE AUTOMATION
GE
LOCKHEED MARTIN
GADC Greenville Area Development Corporation

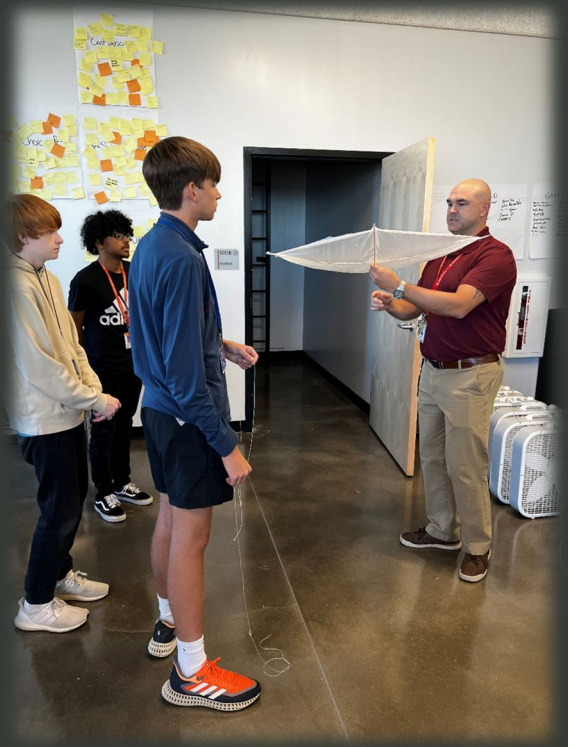


- 29,145 sq ft center
- Flexibility in Design
- Ability to bring in new programs without major renovations
- Conduit, air compressors, bay doors, wash stations

aerospace technologies

CTE INNOVATION CENTER

- Project-Based Learning
  - Engineering Design
  - Maintenance
  - Electrical Systems
  - Mechanical Components
  - Flight Calculations
  - Propulsion
  - Material Science



automation and robotics

CTE INNOVATION CENTER

Course 1
Advanced Technology for Design & Production

Course 2
Systems of Advanced Technology

Course 3
Mechatronic Systems for Advanced Production

Course 4
Design for Production of Advanced Products

- Project-Based Learning
- Automated Process
- Robotic Arms
- Programmable Logic Controllers
- Computer-Aided Design (CAD)
- Programming
- Mechatronic Systems
- Drives/Controls

clean energy technology

CTE INNOVATION CENTER

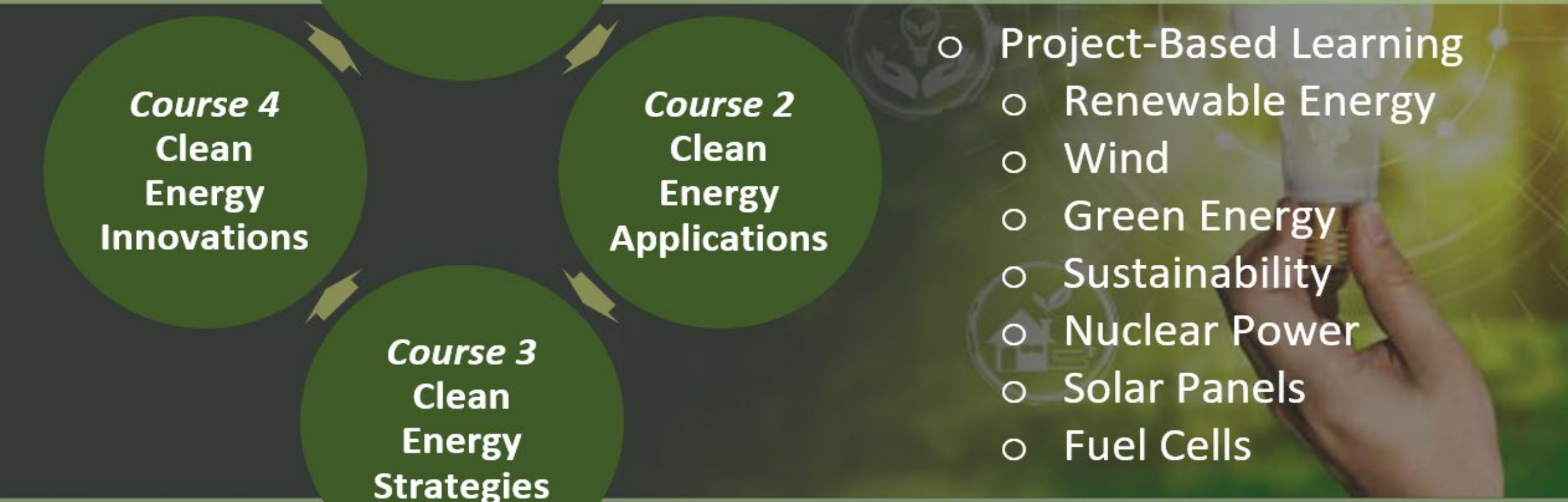
Course 1
Clean Energy Systems

Course 2
Clean Energy Applications

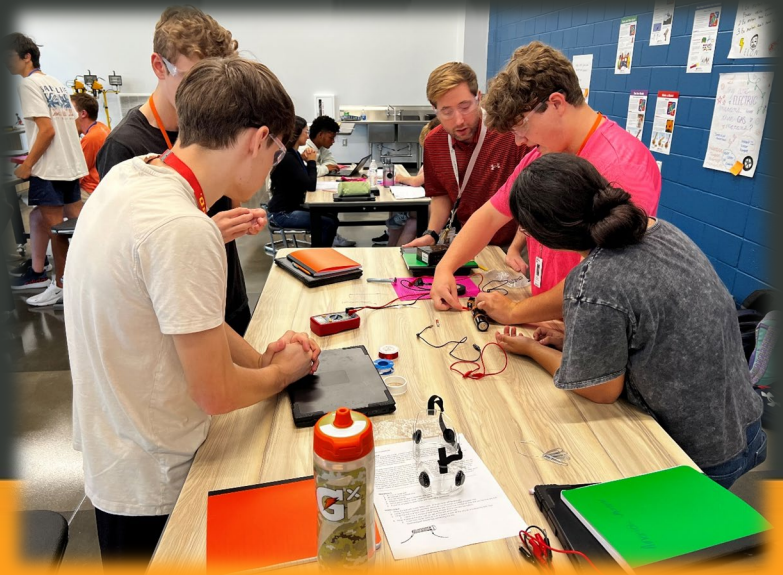
Course 3
Clean Energy Strategies

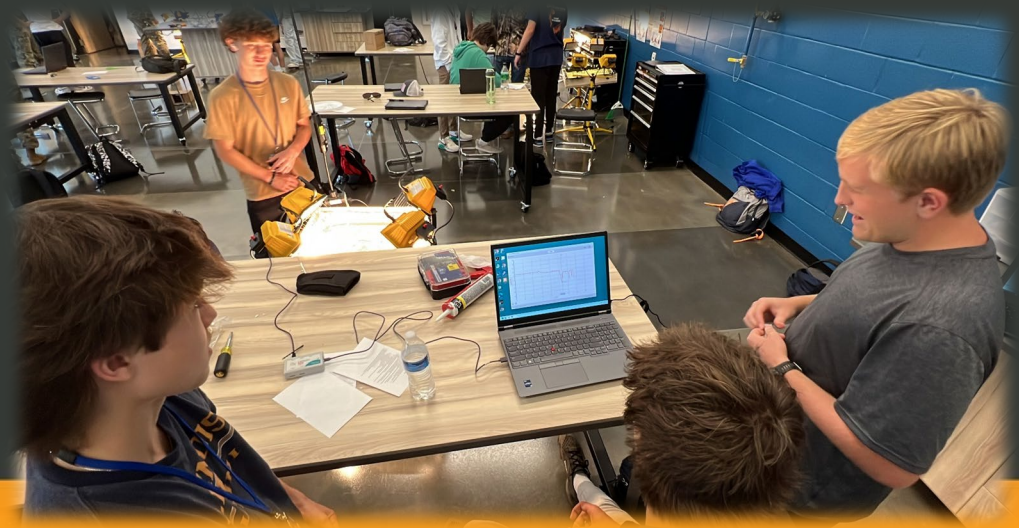
Course 4
Clean Energy Innovations

- Project-Based Learning
  - Renewable Energy
  - Wind
  - Green Energy
  - Sustainability
  - Nuclear Power
  - Solar Panels
  - Fuel Cells



EXIT





emerging automotive research

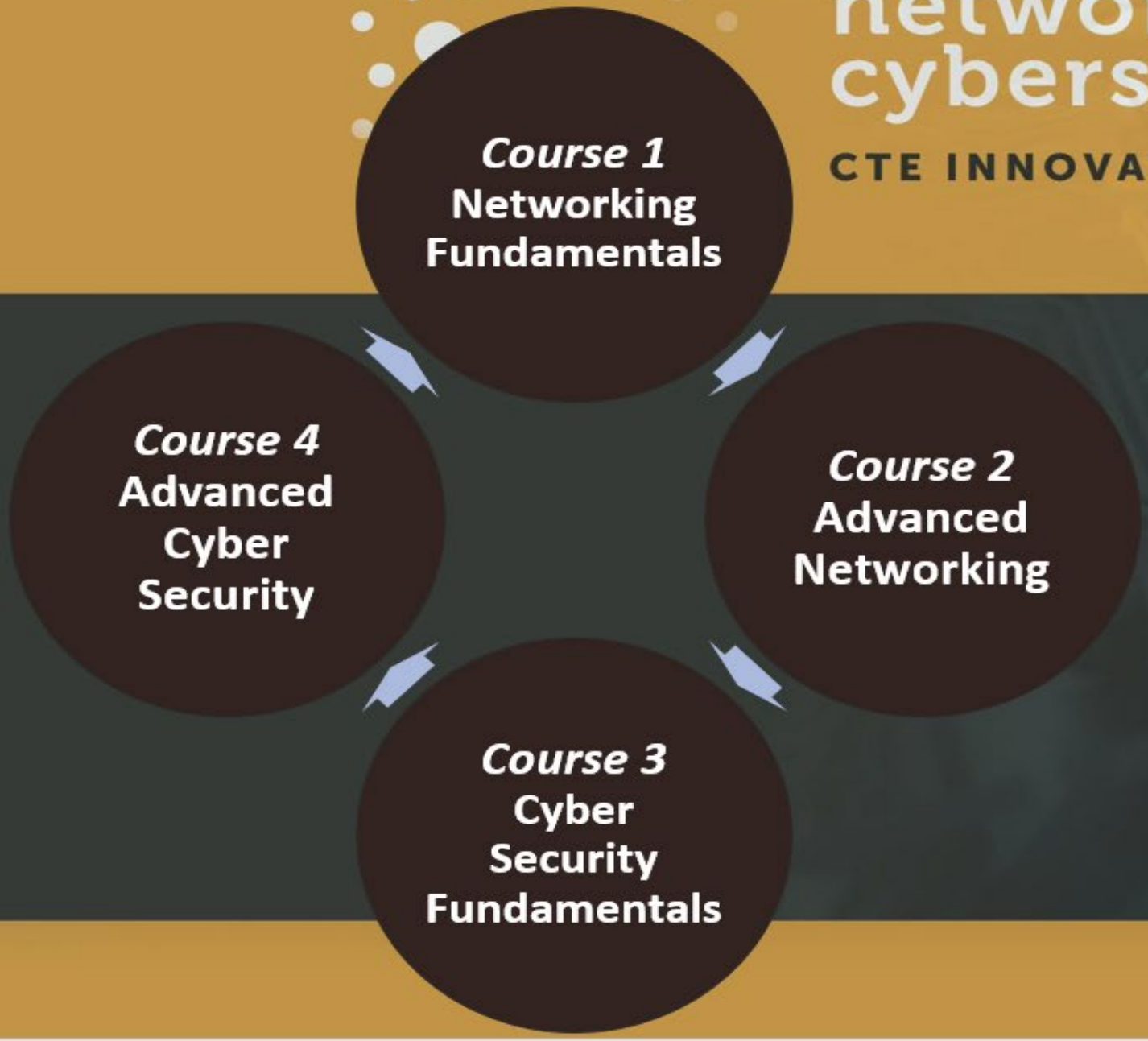
CTE INNOVATION CENTER

- Project-Based Learning
  - Electrical Theory
  - Hydraulics
  - Braking Systems
  - EV Technologies
  - Advanced Driver-Assist Systems
  - Fuel Injections
  - HVAC/Coolants

STOP

networking/ cybersecurity

CTE INNOVATION CENTER



- Project-Based Learning
  - Network Protection
  - Network Design
  - Data Protection
  - Data Vulnerability
  - Ethical Computing
  - Software Updates
  - Network Protocols

N

CTE INNOVATION CENTER

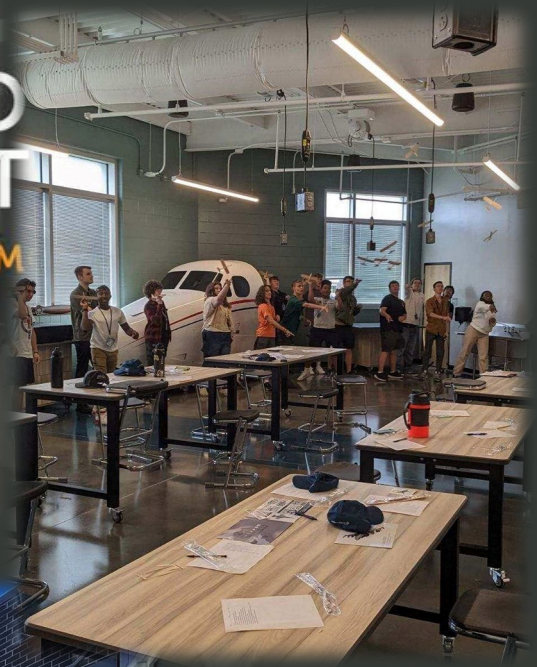
EXIT

MICHELIN

CTE
INNOVATION
CENTER
at ROPER MOUNTAIN

- High ceilings, ceiling drops, air compressors
- Gather space, Café: Guest speakers/program collaboration
- Courtyard: outdoor classroom
- Natural light, windows
- Breakout Study Rooms
  - Presentations, Dual-Enrollment Lab,
  - small-group meetings
- Flex Classrooms
  - Makerspace, Partition Wall
- One level, furniture on castors

Flexible Learning Spaces



CTE INNOVATION CENTER at ROPER MOUNTAIN

GREENVILLE COUNTY SCHOOLS

Inspire | Support | Prepare