AACPS CTE

From Playgrounds to Paychecks: Preparing Students for Career Readiness

October 21, 2023

Career & Technical Education

Classrooms today

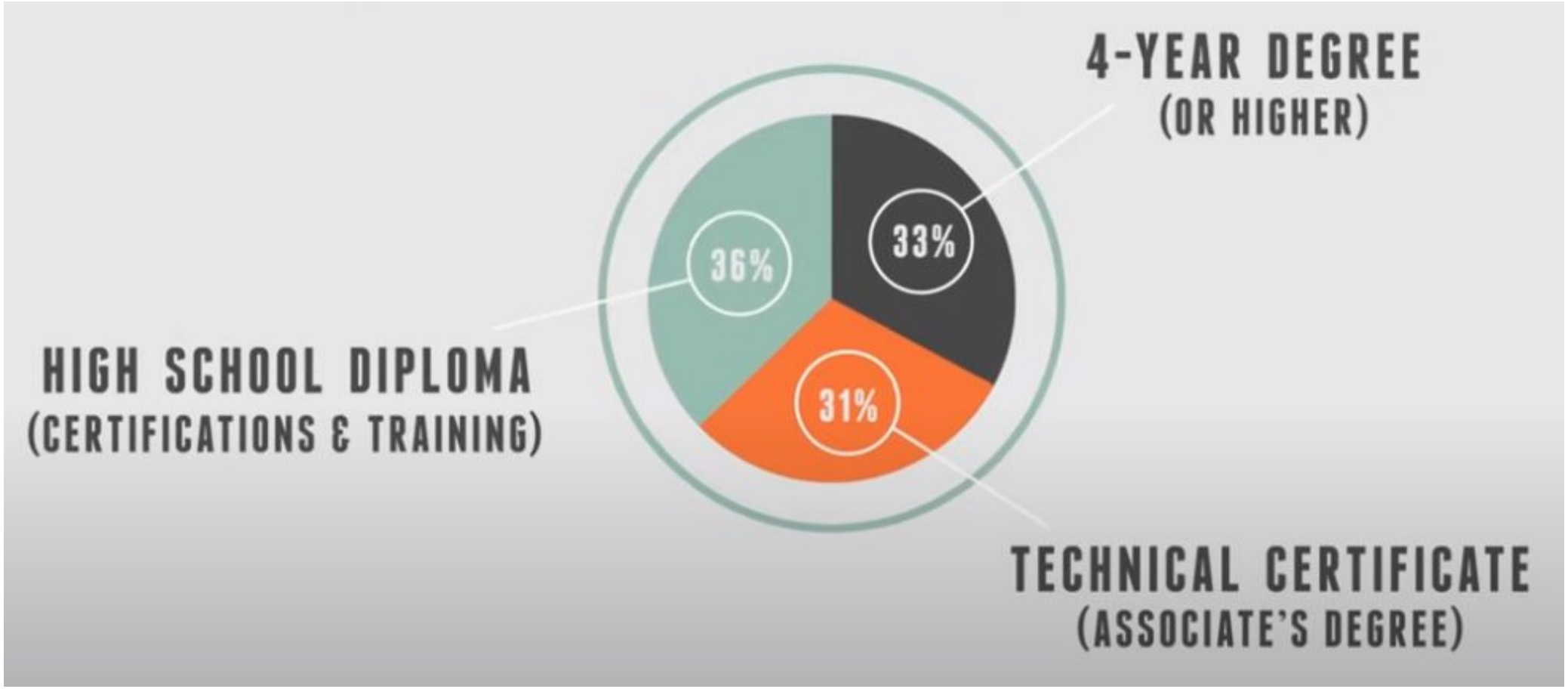
Careers tomorrow

Skills for a Lifetime

We prepare students for a life after graduation

1. Offering over 200 different courses
2. 53 different career prep programs
3. 39 different industry certifications
4. 43 of our programs offer college credit

Goal for the CTE Office



Goal for the CTE Office

Straight to Career

Students graduate with an industry credential and enter the workforce highly prepared.

Straight to AACC

Students graduate on a path towards a program at AACC, preparing them for next level careers.

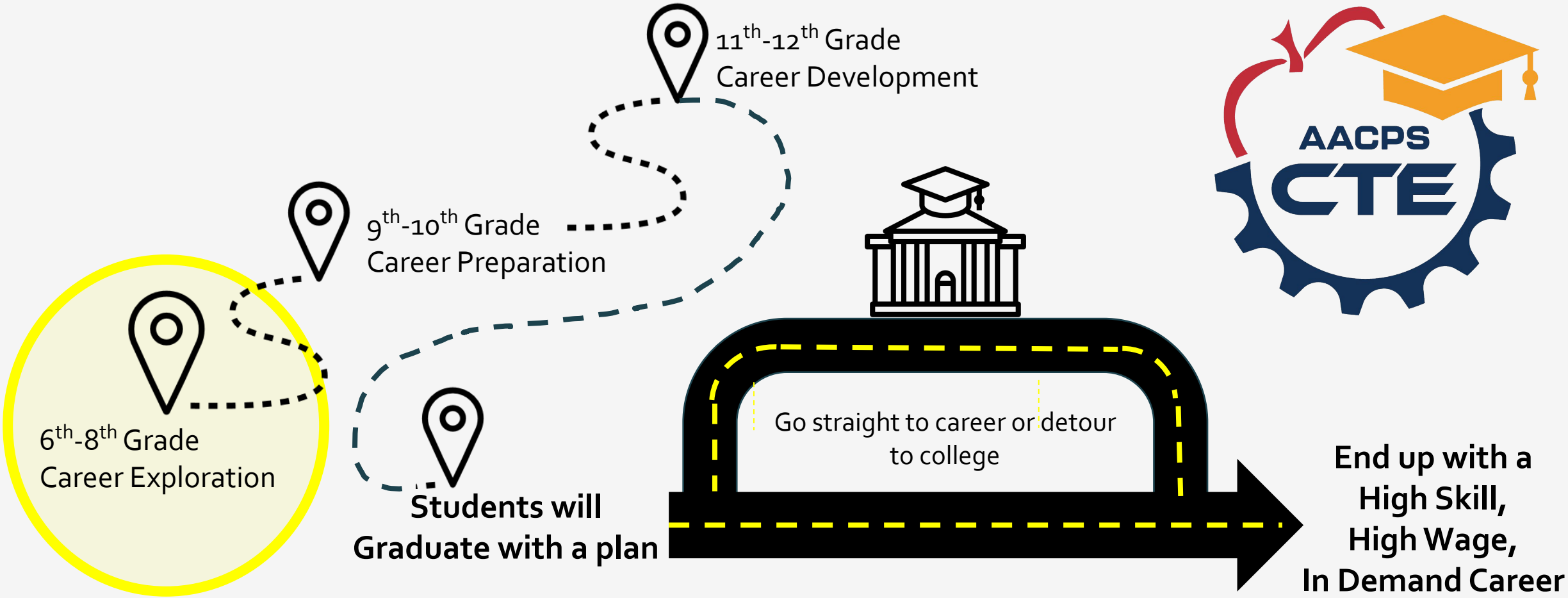
Straight to 4 Year

Students graduate prepared to enter a 4 year college with confidence in knowing what they want to do for a career.

Each of these students may have earned an industry credential, college credit, or both….

FOR FREE!

CTE in a Nutshell



Capitalizing on the Momentum

Success in the New Economy (0:01-4:54)

Stage 1:

Career Awareness

Pre-K – 3rd Grade

Students should be able to:

- ✔ Know about different careers in their community
- ✔ Learn about <u>how</u> school (Math, Reading, Science, etc.) prepares them for the future

AACPS Will	Parents Could
Prepare students for school with basic interpersonal, social, academic skills	Find academic/enrichment clubs that students find interesting
Introduce students to different careers	Talk to their students about work and why school is important
Provide opportunities for students to learn through problem-based (real-world) learning	Show them around the community, identifying different businesses

Stage 2:

Career Exploration

4th – 8th Grade

Students should be able to:

- ✔ Explore different careers in their community
- ✔ Choose classes that allow them to explore their interests

AACPS Will	Parents Could
Begin to link academic content to careers – learn about their academic/career interests	Talk to their students about their career interests, provide support through class choices
Allow students to explore different careers through out of classroom experiences	Promote "College and Career" Readiness
Offer courses that allow students to learn through scenario based projects	Talk to strangers- engage people in the community about their career journey

Stage 3:

Career Preparation

9th-10th Grade

Students should be able to:

- ✔ Prepare for a career/path of their choice
- ✔ Develop skills necessary to be employable

AACPS Will	Parents Could
Provide choice in career/ academic preparation	Begin to talk to their students about a "plan" after graduation
Teach "Employability Skills" – what employers are looking for	Introduce them to different careers through volunteer work
Link learning to future success – ensure "school" has a "purpose"	Ensure their students are aware of the options available in their school
Provide opportunities for classroom/external career exploration and investment	Be involved in student course choices

Stage 4:

Career Development

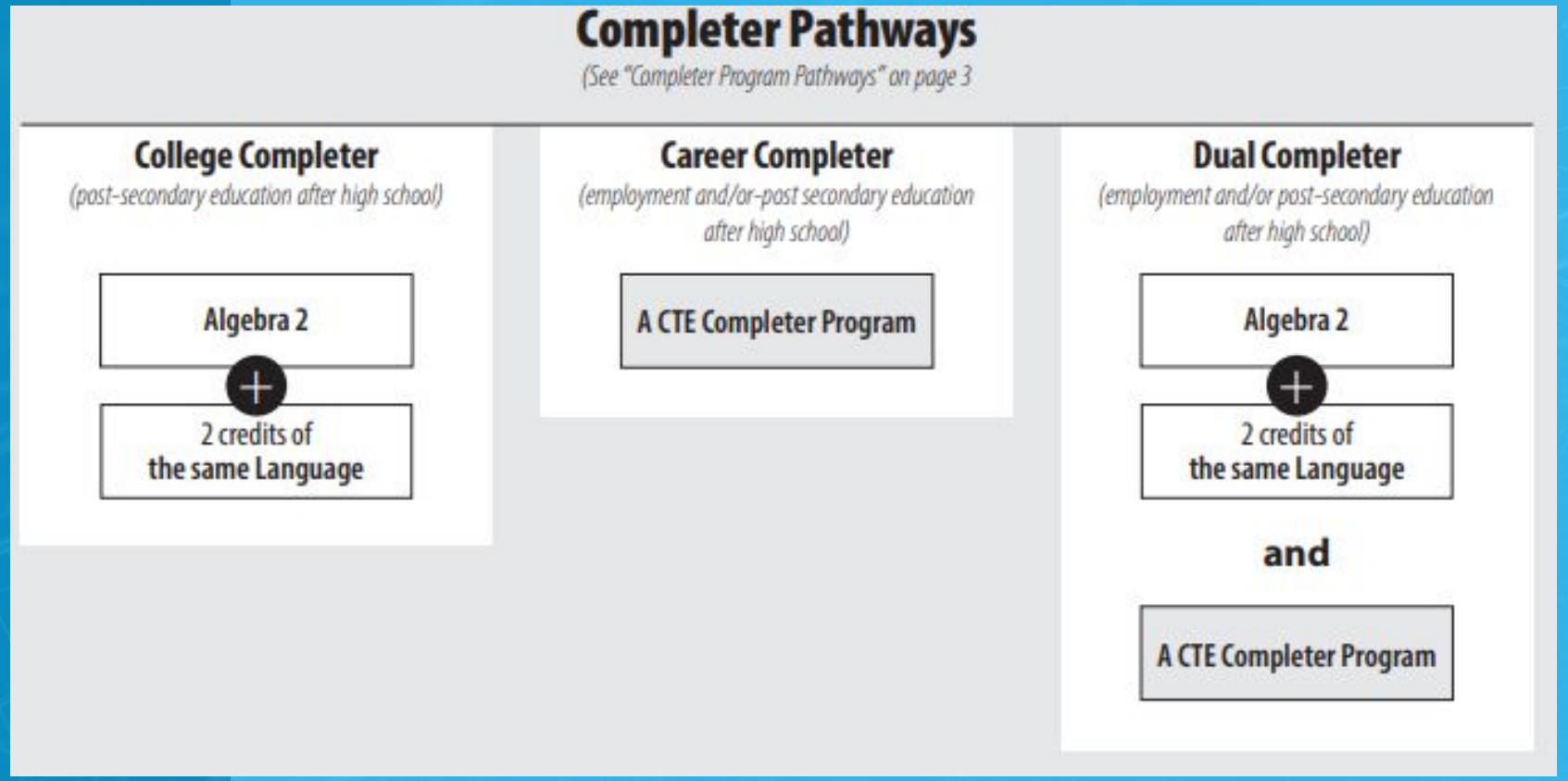
10th-12th Grade

Students should be able to:

- ✔ Complete a career preparation option within AACPS
- ✔ Earn an industry certification/credential and some college credit

AACPS Will	Parents Could
Offer a diverse set of options for career development (53 different programs)	Continue to talk to their students about a "plan" after graduation
Allow students to dual-enroll with the community college to increase access to CTE programs	Encourage students to be independent Choice=Ownership
Support achievement of career preparation goals	Ensure students take advantage of CTE programs
Provide access to paid and unpaid career development opportunities	Promote student enrollment in Work Based Learning programs

What is a CTE Completer Program?



A CTE (Career) Completer

- Typically consists of 3-4 credits (year long classes)

BLUEPRINT FOR MARYLAND'S FUTURE

Post 10th Grade Goal

AP/IB

Students will take AP/IB classes in preparation for entry into post-secondary education

Early College/Dual Enrollment

Students enroll in Early College programs or dual enrollment through local community college

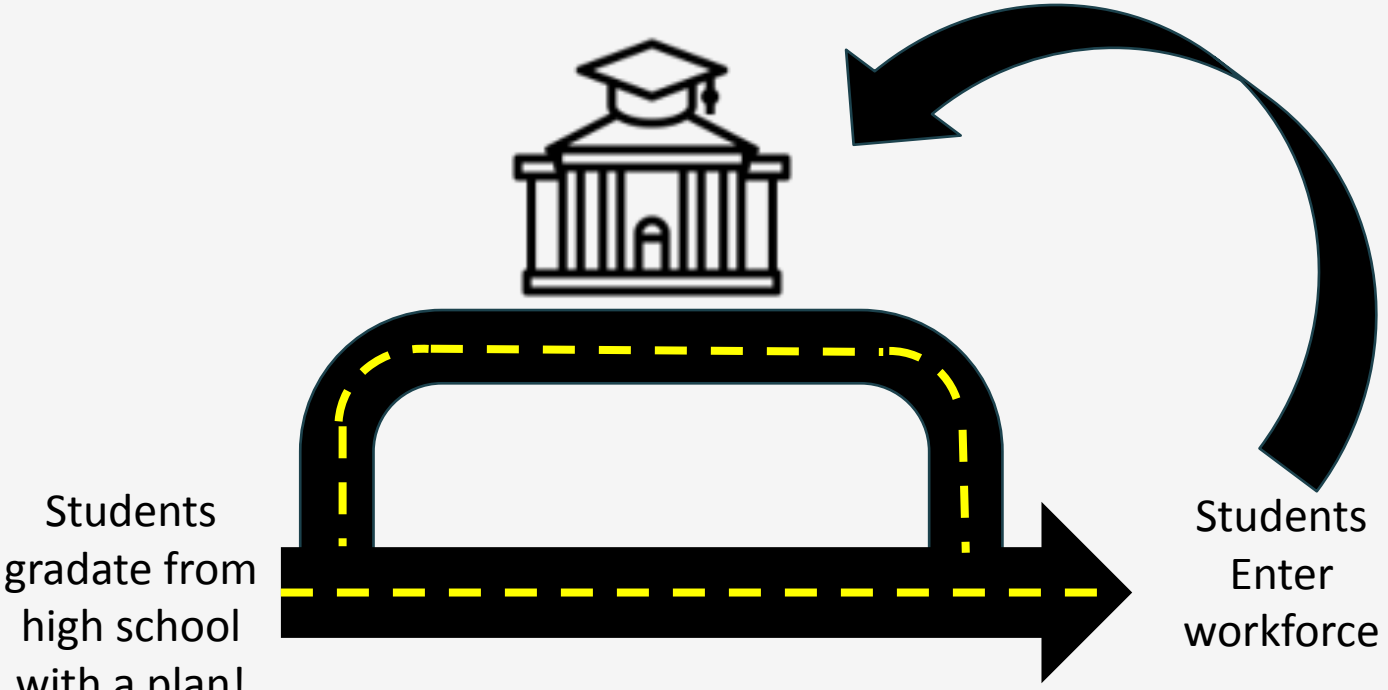
Career & Technical Education

Students complete the high school level of a registered apprenticeship or earn an industry credential

Choose a CCR Pathway

Today's CTE!

- Programs designed to prepare students for the next step in a potential career pathway of their choice
- We have 53 Different CTE Completer Programs
- Of those, 39 have industry credentials, and 43 award college credit!



CTE Completers in AACPS

Arts, Media, and Communication
- Graphic Design
- Interactive Media Productions
- Printing Technologies

Business Management and Finance
- Accounting & Finance
  Entrepreneurship*
- Business Management Marketing
- Business Administration Services

Career Research and Development
- Career Transitions JROTC- Navy
- JROTC- Army JROTC- Marines
- Apprenticeship Maryland Program

Construction & Development
- Carpentry HVAC Electricity
- Masonry Welding Plumbing
- Construction Design & Management

Consumer Services, Hospitality and Tourism
- Barbering Cosmetology
- Culinary Arts Baking & Pastry
- Food and Beverage Management

Environmental, Agricultural and Natural Resources
- Natural Resources and Conservation
- Curriculum for Agriculture Science Education (CASE)

Health and Biosciences
- Certified Nursing Assistant Dental Assistant
- Pharmacy Technician PLTW- Biomedical Science
- Certified Clinical Medical Assistant

Human Resource Services
- Homeland Security Services Information/Comm Tech
- Criminal Justice/Law Enforcement
- Early Childhood Education (Child Development Associates)

Information Technology
- Computer and information Science
- Drafting and Design Technology
- IT Networking: Cisco - CCNA

Manufacturing, Engineering and Technology
- Manufacturing Technology
- PLTW – Pre-Engineering

Transportation
- Marine Maintenance and Repair Autobody/Collision Repair Tech
- Medium/Heavy Truck Tech – Diesel Auto Maintenance & Repair
- Transportation, Logistics and Cargo Security

Career & Technical Programs

Where are CTE Completers?

Comprehensive HS

- Accounting & Finance
- Biomedical Science (PLTW)
- Administrative Services Management
- Business Management
- Career Transitions
- Computer and Information Sciences
- Construction Design and Management
- Curriculum for Agricultural Science Education (CASE)
- Early Childhood Education Child Development Associate (CDA) Preschool
- Food and Beverage Management (Prostart)
- Graphic Design
- Homeland Security- Criminal Justice/Law Enforcement
- Homeland Security- Homeland Security Sciences
- Homeland Security- GIS
- Interactive Media Production
- JROTC- Army
- JROTC- Marines
- JROTC- Navy
- Marketing
- Natural Resources and Conservation
- Pre-Engineering (PTLW)
- Transportation, Logistics and Cargo Security

Signature Aligned Program

Centers of Applied Technology

CAT NORTH

CENTER OF APPLIED TECHNOLOGY SOUTH

- AHP - Allied Health Intern
- AHP - Certified Clinical Medical Assistant
- AHP - Certified Nursing Assistant
- AHP - Dental Assistant
- AHP - Pharmacy Technician
- Autobody Collision/Refinishing
- Automotive Technology
- Baking and Pastry
- Barbering
- Building/Industrial Maintenance
- Carpentry
- Cosmetology
- Culinary Arts
- Curriculum for Agricultural Science Education (CASE)
- Drafting and Design Technology
- Electrical
- Graphic Design
- HVAC
- Interactive Media Production
- IT Networking Academy (CISCO) - CCNA Security
- Manufacturing Technology
- Marine Service Technology
- Masonry
- Medium/Heavy Truck & Equipment Technology
- Plumbing

Work Based Learning

- Apprenticeship Maryland Program
- Internships

Work Based Learning Lab

THE Café @Maryland Hall

AACPS CTE

High School Students in Apprenticeship

The CTE Completer Wildcard

Apprenticeship is….

450 hours of on the job training

+

135 of Related Technical Instruction

What this might look like:

Grade Level	Action Item
10th Grade	❑ Take an exploratory class in a particular career path and see if you like it.
11th Grade	❑ Identify an apprenticeship you might like to take part in – apply by February ❑ Ensure that you have taken, or are signed up for, the RTI course
Summer Between 11th and 12th Grade	❑ Start your apprenticeship ❑ Students can typically finish about 280 – 320 hours during the summer
12th Grade	❑ Complete your apprenticeship ❑ See if there are other CTE/AACC courses you can take to advance your career.

Some of our Apprenticeship Partners

TRANE
It's Hard To Stop A Trane.

NEALEY
AUTO SERVICE

UNIVERSITY of MARYLAND
MEDICAL SYSTEM

ANNE ARUNDEL
COUNTY PUBLIC SCHOOLS

TOYOTA
of Bowie
An RRR Automotive Company
Reliable • Responsible • Respectful

BAYSIDE FIRE PROTECTION

GROUNDED ELECTRICAL
CONSTRUCTION

Stanley
Engineering
powered by ADDMAN®

U.S. COAST GUARD YARD
SERVICE TO THE FLEET

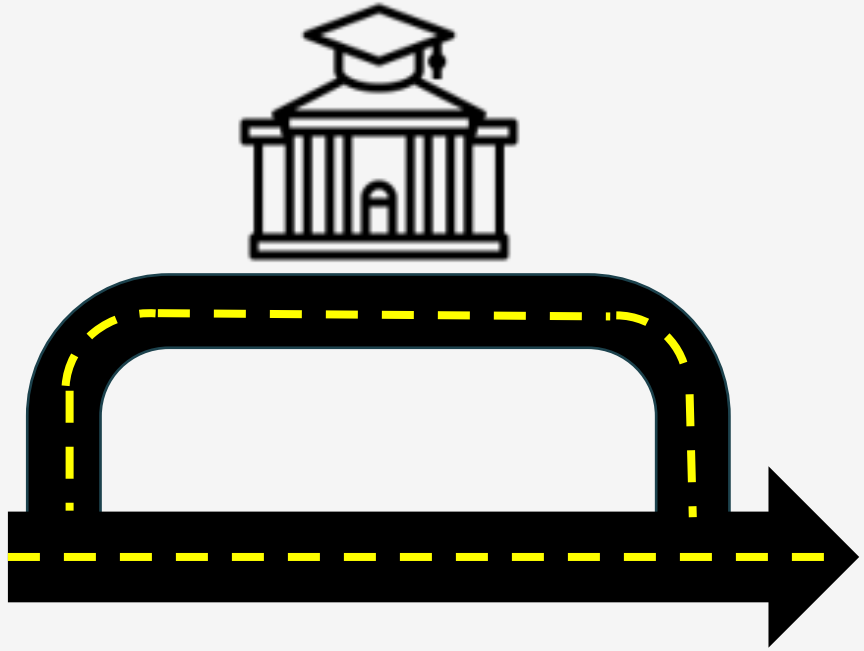
Protect Your Pad
BLADES OF GREEN inc.
ROG PEST CONTROL

KOONS TOYOTA
ANNAPOLIS
koons.com

StateFarm®

CTE Summary

- We have, or are building programs to support all student's career interests
- We prepare students for what they want to do after they graduate
- We launch them into the next step with certifications and college credit



Parent Resources

Website	This resource provides:
Pathful Explore	Career exploration and research
Pathful Connect	Testimony from industry experts Think virtual guest speakers
ONet Online	Career outlook data, work environment examples, local salaries and job market growth
AACPS CTE website	Program information, apprenticeship information, CAT North and South links

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Questions