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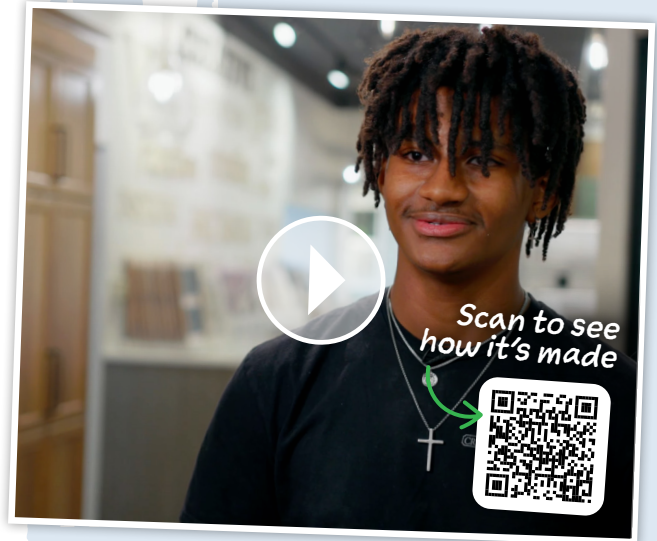
Initiatives

CareerTechWV

The West Virginia Department of Education's (WVDE) career technical education (CTE) programs provide students with valuable opportunities to explore a wide range of careers through hands-on, real-world learning. These programs equip students with practical skills, offer the chance to earn industry-recognized credentials, and connect them with meaningful work-based learning experiences.

West Virginia offers a variety of career clusters, each designed to help students discover diverse career paths across various fields and industries. These clusters support students in identifying their interests and passions, guiding them toward successful post-secondary education or career opportunities. Within each cluster, students can specialize in a focused area of study, enhancing their high school experience and expanding their future career options.

In 2025, Simulated Workplace continued to transform CTE classrooms into real-world work environments where students develop technical and employability skills. Instructors serve as mentors and industry guides, providing students with relevant insights into their chosen career paths. By actively engaging with business and industry partners, educators help students build meaningful connections and apply classroom learning to practical, hands-on experiences that prepare them for the workforce.



CTE Spotlight

Eli Huntz

Eli is a former carpentry student at Cabell County Career Technology Center, who has officially completed his Classroom 2 Career apprenticeship, gaining real-world experience and valuable skills along the way! His journey proves that hands-on learning opens doors to exciting career opportunities right here in West Virginia.



406
Schools



91,063
Participants

248 | Middle Schools

130 | High Schools

21 | County Technical Centers

7 | Multi-County Technical Centers

46,578 | Grades 6-8

44,485 | Grades 9-12

29,869 | Concentrators 9-12

9,440 | Completers 9-12



1,904
Teachers



68%
Tests Passed

Apprenticeships



Classroom2Career (C2C) Apprenticeships is an initiative by the WVDE developed to bridge the gap between classroom learning and career readiness. It prepares students for the workforce through authentic work experiences and integrates technical instruction with practical applications. Students are receiving hands-on learning from industry professionals, and some are even participating in Registered Apprenticeships.

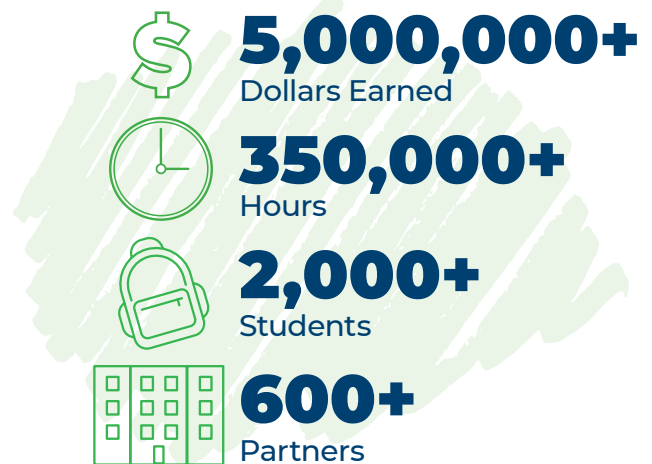
This forward-thinking initiative offers students the opportunity to engage in real-world, hands-on training in high-demand fields while still in high school. Through strong partnerships between local school districts, regional employers, and industry leaders, students gain early exposure to career pathways in fields such as healthcare, manufacturing, construction, information technology, hospitality, and more. These partnerships not only provide meaningful employment experiences but also support the development of essential workplace skills such as problem-solving, teamwork, communication, and professional responsibility.

At the heart of the initiative is On-the-Job Training (OJT) Apprenticeship, a model that blends classroom-based technical instruction with structured, paid work experience. In these placements, students apply what they've learned in the classroom to solve real-world problems under the mentorship of skilled professionals. These apprenticeships are tailored to meet both student interests and local workforce needs, helping to retain young talent and fuel regional economic development.

This year, several milestone events highlighted the growth and impact of C2C Apprenticeships:

» **Marshall Manufacturing Apprenticeship Signing (May 1, 2025)** The WVDE and the Marshall Advanced Manufacturing Center (MAMC) announced a new partnership to expand pre-apprenticeship opportunities in the manufacturing sector. Through this collaboration, CTE manufacturing trade programs are being aligned with U.S. Department of Labor pre-apprenticeship standards, giving students a direct pathway into registered apprenticeships and high-demand careers. The first schools to participate include Ralph R. Willis Career and Technical Center (Logan County) and the Academy of Careers and Technology (Raleigh County).

» **MedEx Healthcare Signing Ceremony (May 9, 2025)** Thirty-one CTE healthcare students from Wayne High School and Cabell Midland High School took a major step toward their futures by participating in a signing ceremony for the MedEx program, a two-year partnership with Marshall Health Network. Surrounded by families, friends, and school leaders, each student pledged their commitment to the healthcare pathway. Students gain classroom-based health science instruction at their schools while receiving hands-on training at Cabell Huntington Hospital and St. Mary's Medical Center. This experience allows them to explore diverse healthcare careers while working side by side with medical professionals, creating a clear pathway toward postsecondary training and employment.



Middle School CTE

The WVDE has implemented a strategic initiative to enhance career exploration opportunities for middle school students across the state. This initiative is designed to align with state education goals by integrating project-based learning, structured career development and counseling, and the connection of academic content to real-world experiences. Local education agencies are provided flexibility to embed career exploration activities within core academic courses or to offer a range of approved CTE courses.

The middle school CTE offerings introduce students to high-demand career areas, including but not limited to architecture and construction, robotics, aviation and space, application development, engineering, health sciences, and general career awareness. A signature course within this framework, Discover Your Future, provides students with exposure to all 16 national career clusters as identified in the National Career Cluster Framework. This course is specifically designed to broaden students' understanding of potential career pathways and to support early, informed decision-making about future educational and occupational goals.

This initiative ensures that middle school students across West Virginia gain equitable access to career exploration experiences and begin to cultivate the skills and awareness necessary for long-term academic and workforce success.

During the 2024–2025 academic year, West Virginia continued its efforts to engage middle school students in early career exploration as part of a broader strategy to align education with workforce development. Across the state, **46,578 middle school students in 248 schools participated in career awareness and exploration activities** designed to build foundational knowledge of career pathways and postsecondary options.

Career exploration initiatives at the middle school level include a variety of structured experiences such as:

- » Classroom-based career readiness lessons integrated into core subjects
- » Career interest assessments and digital planning tools to help students identify areas of interest and align them with future educational goals
- » Guest speakers, virtual tours, and hands-on career days, often supported through partnerships with local employers and technical education centers



248
Schools



46,578
Middle School Students

- » Middle school participation in West Virginia's Simulated Workplace model and other CTE awareness events
- » Exploration of the national career clusters and the opportunity to begin identifying pathways that may be pursued more formally in high school

These efforts are aimed at helping students make informed decisions about high school course selections, including CTE pathways and dual credit opportunities. By building awareness early, West Virginia is strengthening the connection between education and workforce needs and increasing student engagement with future planning.

Career exploration is now embedded in across the state, offering diverse opportunities aligned with West Virginia's workforce needs. Local flexibility allows schools to offer stand-alone courses, integrate content into core instruction, and partner with industry, higher education, and community organizations.

CTE Spotlight

Generals Coffee

Generals Coffee, a unique initiative at Winfield Middle School led by special education teacher Samantha Twohig, began in 2019 to create hands-on learning opportunities for students. Seeing that

her students learned math better through real-world scenarios and needed support with social skills, Mrs. Twohig collaborated with the school principal to launch a coffee shop. Generals Coffee serves as a simulated workplace where students practice essential academic, social, and functional skills by preparing and delivering coffee orders to staff members each week.



Partnerships

The Office of Career Technical Education is dedicated to ensuring high-quality CTE program delivery by actively engaging with local, state, and national boards. Through this involvement, the team represents the office while promoting alignment with industry standards and expanding opportunities for student growth and success.

Career Connected Affiliations:

- » Advanced CTE
- » Association for Career and Technical Education (ACTE)
- » Bowles Rice Law Firm
- » Computing Technology Industry Association (CompTIA)
- » Contractors Association of West Virginia
- » Emily Calandrelli, The SpaceGal Company, Inc.
- » Marshall Advanced Manufacturing Center
- » Marshall University
- » MBA Research and Curriculum Center
- » Mid-Atlantic Aerospace Complex
- » Mountain State Educational Services Cooperative
- » National Alliance for Partnerships in Equity (NAPE)
- » National Center for Construction Education and Research (NCCER)
- » National Consortium of Health Science Education (NCHSE)
- » Netflix – “*Baking Impossible*” Cast
- » NOCTI’s Consortium of States
- » Putnam County Development Authority
- » The Education Alliance
- » The EdVenture Group
- » West Virginia Advanced Career and Technical Education (WV ACTE)
- » West Virginia Automobile Dealers Association
- » West Virginia Building and Construction Trades
- » West Virginia Chamber of Commerce
- » West Virginia Community and Technical College System
- » West Virginia Department of Agriculture
- » West Virginia Department of Arts, Culture and History
- » West Virginia Department of Commerce
- » West Virginia Department of Economic Development
- » West Virginia Department of Tourism
- » West Virginia Entrepreneurship Ecosystem
- » West Virginia Fire Commission
- » West Virginia Higher Education Policy Commission
- » West Virginia Hospitality and Travel Association
- » West Virginia Manufacturers Educational Fund (WVMA-EF)
- » West Virginia State Board of Barbers and Cosmetologists
- » West Virginia University
- » WorkForce West Virginia

Service Personnel

The Office of CTE plays a critical role in maintaining the quality and consistency of service personnel across West Virginia schools. One of the office's responsibilities is overseeing the development and review of state-approved competency tests used to evaluate candidates for various non-instructional roles, such as secretarial, custodial, maintenance, and technical positions.



5,931

Tests Administered

These competency tests ensure that individuals applying for service personnel positions, whether as new hires, substitutes, or existing employees seeking reclassification, meet established qualifications aligned with industry standards. Counties are required to use the state-developed tests in full, without modifications or additions. While counties may consider additional job-related factors during the hiring process, they are not permitted to create or administer their own tests for these roles.

In the 2024–2025 school year, a total of **5,931** competency tests were administered statewide. The Office of CTE conducted a formal review of nine competency tests to ensure content remains relevant and up to date. The tests reviewed included: Computer Operator, Crew Leader/Foreman, Director/Coordinator of Services, Glazier, Heating and Air Conditioning Mechanic, Inventory Supervisor, Maintenance Clerk, Painter, and Programmer. Of the nine tests reviewed, two are directly aligned with CTE programs of study, reinforcing the connection between school-based training and real-world job readiness.

Through this work, the Office of CTE continues to support the recruitment and retention of skilled service personnel who play a vital role in the day-to-day operations of schools across the state.



West Virginia Schools for the Deaf and the Blind



At the West Virginia Schools for the Deaf and the Blind (WVSDB), CTE is central to preparing deaf, hard of hearing, visually impaired, and deafblind students for independent, successful futures.

The Academy for Career Connections (AC²) serves Grades 9–12, offering hands-on training and career exploration in high-demand fields:

- » Building Maintenance and Operations Academy – Skills in electrical work, plumbing, and general repair.
- » Business Enterprise Academy – Focus on entrepreneurship, management, and marketing.
- » Culinary/Hospitality Academy – Kitchen experience, service training, and industry-recognized credentials.
- » Music Academy – Creativity, performance, and music technology.
- » Personal Career Readiness Academy – Job readiness skills, resume writing, interviews, and workplace etiquette.

CTE Spotlight

Clifton Stewart and Lily Marion

Discovery P.O.I.N.T. (Potential, Opportunity, Independence, Network, and Toolbox) is a series of six mini-courses for West Virginia students who are low vision, blind, deaf, hard-of-hearing, or deafblind. Held on the scenic campus of the WVSDB, the program lets students participate in one of five career technical education academies.

The Culinary and Hospitality Academy blends hands-on training with industry knowledge to prepare students for careers in culinary arts and restaurant management. Recently, CJ and Lily earned their ServSafe Certification.



Each Academy supports academic growth and builds real-world readiness. In addition to these programs, students also have the opportunity to participate in Hampshire High School's CTE programs, expanding their training and experience. Each Academy is thoughtfully designed to meet the unique learning styles and accessibility needs of our students, empowering them to build essential skills and confidence for success beyond graduation.

WVSDB takes pride in integrating CTE with core academic instruction, allowing students to apply what they learn in the classroom to practical, industry-based scenarios. Whether in Building Maintenance and Operations, Business Enterprise, or Culinary/Hospitality, students are simultaneously building academic knowledge and workforce readiness. This blended approach enhances engagement and understanding while also supporting post-secondary goals, whether students choose to enter college, vocational training, or the workforce.

This year, we launched Discovery P.O.I.N.T. (Potential, Opportunity, Independence, Network, Toolbox), our unique approach to mini-course weeks. These immersive, weeklong experiences welcomed county students to explore a variety of CTE pathways, including Building Maintenance and Operations and Culinary/Hospitality. Through hands-on learning, students discovered potential career interests, developed essential life and job skills, and earned valuable credentials, all within a supportive and engaging environment. A highlight of the program was two students in the Culinary/Hospitality Academy earning their ServSafe Certifications, a clear demonstration of both skill development and career readiness.

Strong partnerships with organizations like Eastern West Virginia Community and Technical College, Potomac State College of WVU, and the West Virginia Division of Rehabilitation Services (DRS) help extend the impact of our CTE efforts, providing students with expanded opportunities for education, training, and support as they transition to life after high school.

West Virginia Schools of Diversion and Transition

The mission of West Virginia Schools of Diversion and Transition (WVSDT) is to prepare juveniles and adults for successful reentry into school, employment, and community life as responsible, productive citizens. Through a blend of classroom instruction and project-based learning, students gain real-world skills—often completing projects that benefit local communities, school districts, and state parks.



8

Schools



15

CTE Programs

Rubenstein Center Students Build Tiny Homes for Hurricane Relief

Through a partnership with the Tiny Home Relief Project, students at the Kenneth “Honey” Rubenstein Center are constructing tiny homes for families impacted by Hurricane Helene. Once completed, the homes will be delivered to North Carolina to provide temporary housing for those in need.

Students Build Blessing Boxes for Parsons Community

WVSDT students partnered with a local nonprofit to design and construct blessing boxes, now placed throughout the city of Parsons. These boxes provide community members with access to free essential items and promote local acts of kindness.

WVSDT Students Build Office at Blackwater Falls State Park

Students from the West Virginia Schools of Diversion and Transition constructed a new office facility for the campground at Blackwater Falls State Park—one of many collaborative projects completed in partnership with West Virginia State Parks over the past several years.



WVSDT
Tiny Home Project



Events

CTE Day at the Legislature

On February 14, 2025, more than 300 students and instructors gathered at the West Virginia State Capitol to participate in CTE Day at the Legislature. Representing 32 schools from across the state, students showcased their CTE programs through interactive booths, live demonstrations, and engaging conversations with legislators.

The event gave students a unique opportunity to highlight the skills they have gained through Simulated Workplace companies and Career and Technical Student Organizations (CTSOs). As part of the national celebration of CTE Month, the day emphasized the vital role CTE plays in preparing students for the workforce and meeting the economic demands of West Virginia and the nation.



32
Schools



100+
Simulated Workplace
companies and CTSOs



300+
Students



Culineering Challenge

On October 23, 2024, the WVDE and Mountwest Community and Technical College hosted the Third Annual Culineering Challenge—a one-of-a-kind event where culinary creativity meets engineering ingenuity. Modeled after the Netflix® series *Baking Impossible*, the challenge brought together students from across West Virginia to push the boundaries of what's possible in the kitchen and the lab.



Nine teams—comprising 45 students from 9 schools—collaborated in teams that included culinary, engineering, computer science, robotics students, and social media influencers. Their mission: to design and build the tallest edible structure capable of withstanding a simulated earthquake. Each structure was tested at three intensity levels, combining taste with tenacity.

Adding excitement to the event, several cast members from Netflix's *Baking Impossible* attended, offering mentorship and inspiration to students as they tackled their complex tasks.



9
Schools

12
Partners



45
Students



2024 Culineering Challenge: Bake and Quake Winners

Grand Champion

Seismic Sting Squad from Hundred High School:
\$5,000 + \$200 per student (sponsored by WVHTA
Education Foundation)

Second Place

Huntington High School and
Huntington East Middle School: \$3,000

Third Place

Marion Baker Bots from Marion County
Technical Center: \$2,000



ProStart – Culinary Boot Camp

Held at Stonewall Resort on September 30, 2024, the Culinary Boot Camp brought together students, educators, and industry partners for a full day of immersive, hands-on learning. The event featured two specialized tracks—ProStart and Baking and Pastry—designed to introduce participants to the structure and expectations of culinary competitions while building essential technical skills.



17
Schools



160
Students



13
Partners

Led by industry professionals, workshops focused on key culinary techniques such as knife skills, sauce preparation, plating, cupcake piping, royal icing cookie decorating, and the creation of truffles and chai tea energy bites. In addition to skill development, students had the opportunity to explore college and career pathways, engaging with postsecondary representatives to learn more about educational and professional opportunities in the culinary field.



2024 Culinary Boot Camp

ProStart – Hospitality Cup

The Hospitality Cup, West Virginia's premier ProStart competition, is an annual event where high school students showcase their culinary and restaurant management skills in a high-stakes, industry-driven contest. The competition consists of two main events—culinary and restaurant management—with top teams earning the opportunity to represent West Virginia at the National ProStart Invitational, hosted by the National Restaurant Association Educational Foundation.



13
Schools



67
Students

31
Partners



Culinary Competition:

Teams of two to four students are challenged to prepare a three-course meal within one hour, using only two butane burners and without access to running water or electricity. Judging criteria include packaging and inventory, work skills and organization, team presentation and knife skills, safety and sanitation, product taste and appearance, and menu and recipe costing.

Restaurant Management Competition:

In this event, teams of two to four students design a new restaurant concept and present it to a panel of judges in a simulated business exposition. Judging focuses on concept development, operations, marketing strategy, menu design, critical thinking, and presentation skills.

This year, more than **\$725,000** in scholarships were awarded to the top-performing teams.

2025 Winners

Place	Culinary Competition	Management Competition
First	James Rumsey Technical Institute	Monongalia Technical Education Center
Second	Marion County Technical Center	Marion County Technical Center
Third	Jefferson High School	Carver Career and Technical Center



SparkWV

SparkWV is a statewide business idea competition that helps middle and high school students in West Virginia develop an entrepreneurial mindset as they explore future careers. Students compete in two tracks:

- » **Big Idea:** Innovative, scalable solutions to real-world problems
- » **Small Business:** Community-based ventures built on hobbies or skills

The final round was held on April 30, 2025, during Bridging Innovation Week. This year, 129 students from 36 schools across 20 counties submitted 83 business ideas. Over three rounds, students received training in idea development, business modeling, public speaking, and pitch preparation, with finalists receiving one-on-one coaching.

SparkWV engaged 31 mentors and 30 judges, and awarded \$14,900 in prizes, thanks to partners including The EdVenture Group, Bank of Charles Town, Jump Start Savings Program, and WVU Industrial Extension.

The program continues to cultivate innovation and entrepreneurship among West Virginia's youth.



Virtual Surgery

On November 14, 2024, the WVDE partnered with Charleston Area Medical Center (CAMC) to broadcast the Imagine U Virtual Surgery—an innovative educational experience for students statewide. The pre-recorded surgery is narrated live by a surgeon, with students able to submit questions via social media or email during the broadcast. The surgery, along with other archived procedures, remains available for teachers to incorporate into future lessons that align with relevant instructional topics.

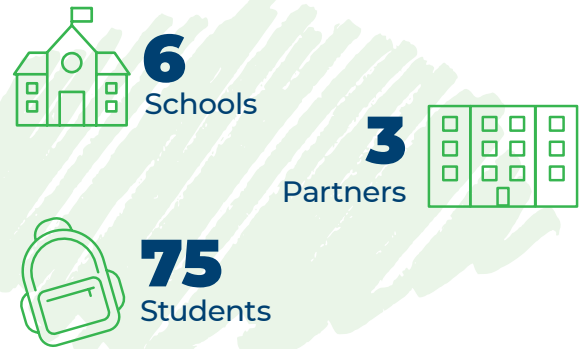
CAMC provides surgical footage, career videos, patient education materials, and technical support. WVDE's Career Technical Education team coordinates planning, registration, curriculum aligned to national Health Science standards, and teacher communication.

In addition, CAMC's Imagine U website offers career interviews across health disciplines, helping students explore healthcare pathways and build career readiness skills.



Entrepreneurship Education Day

In partnership with The EdVenture Group, Inc., the WVDE, and WVU Extension, Entrepreneurship Education Day provided middle and high school students with dynamic, hands-on learning experiences designed to spark creativity and cultivate an entrepreneurial mindset. Throughout the day, students participated in interactive sessions that focused on innovation and business development. During lunch, attendees had the opportunity to observe Shepherd University's Financial and Business Plan Competition, where student entrepreneurs presented their ideas in a pitch-style format. Winners were awarded financial scholarships to support their pursuit of Shepherd's Business Programs.



Welding Inspector Training

In response to strong statewide interest identified through a survey, the WVDE Office of CTE hosted an intensive two-week CWI 540 D1.1 training June 16–27, 2025. Delivered by the Hobart Institute of Welding Technology (HIWT), the program was designed to prepare participants for the American Welding Society (AWS) Certified Welding Inspector (CWI) Examination, with a focus on the AWS D1.1 Structural Welding Code.

The training provided comprehensive instruction aligned to all three components of the CWI exam:

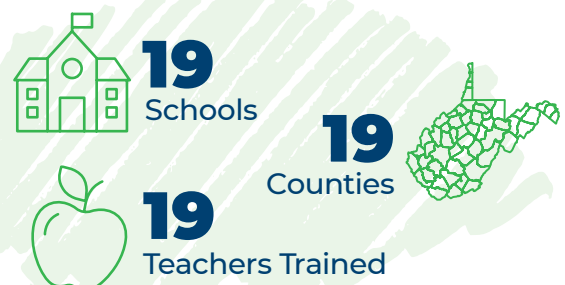
- » Part A: Welding Fundamentals (processes, symbols, testing, metallurgy)
- » Part B: Practical Applications (inspection skills, procedure review, specification use)
- » Part C: Code Application (with emphasis on the D1.1 Structural Code)

Note: The Part B exam was administered onsite by Hobart at the conclusion of the course.



Whether or not participants elected to take the official CWI exam, the training offered several key benefits:

- » Strengthened knowledge of AWS D1.1 code standards
- » Professional collaboration and instructional practice sharing among educators
- » A clear pathway to certifying students in all welding processes and positions for those who earn the CWI, thereby broadening program offerings and improving student employability outcomes



Career and Technical Student Organizations (CTSO)

SkillsUSA

SkillsUSA is dedicated to preparing students to be world-class workers, leaders, and responsible citizens. By connecting classroom learning with real-world experiences, SkillsUSA strengthens CTE and builds strong partnerships between education and industry.

Through hands-on training and competitive opportunities, students develop technical expertise that aligns with industry standards, making them highly employable and career-ready. Just as importantly, SkillsUSA emphasizes leadership development. Students grow their skills in communication, teamwork, and problem-solving—qualities essential for success in both their professions and communities.



| During the 2024–2025 school year:

- » SkillsUSA reached **6,357** total members across all 55 counties
 - **6,112** students
 - **245** advisors
- » Celebrated **260 first-place student winners**
- » Brought together **378 participants** at Fall Leadership
- » Welcomed **2,100+ participants** at the State Leadership Event

Future Business Leaders of America (FBLA)

FBLA empowers students to become community-minded business leaders through career preparation and leadership development. As part of the largest business career student organization in the world, WV FBLA provides members with opportunities to explore business-related careers, engage in competitive events, and build essential skills for success in college and the workforce.

| During the 2024–2025 school year:

- » FBLA reached **996 total members** across 27 counties
 - 871 students
 - 125 advisors
- » Celebrated **55 first-place student winners**
- » Engaged **315 members** at Fall Leadership
- » Hosted **250 participants** at the State Leadership Event



FCCLA Family, Career and Community Leaders of America (FCCLA)

Family, Career and Community Leaders of America (FCCLA) is a CTSO for students pursuing interests in family and consumer sciences. FCCLA empowers youth to address real-world issues such as family relationships, parenting, peer pressure, substance abuse, teen violence, nutrition and fitness, environmental responsibility, and career exploration.

Through hands-on projects and leadership opportunities, members expand their potential while developing essential life skills—planning, goal setting, problem-solving, decision-making, and effective communication. FCCLA prepares students for their many roles as family members, wage earners, and community leaders.

| During the 2024–2025 school year:

- » FCCLA reached **112 members statewide**
 - 103 students
 - 9 advisors
- » Celebrated **8 first-place student finishes**
- » Engaged **58 participants** at Fall Leadership
- » Hosted **86 participants** at the State Leadership Event

Technology Student Association (TSA)

TSA engages students in STEM through competitions, intra-curricular activities, leadership opportunities, and community service. TSA aims to cultivate leadership, academic excellence, and business skills while preparing students for the workforce. Students can compete in events covering a wide range of interests, architecture, communications, engineering, and technology research. Beyond competitions, TSA promotes personal growth and career exploration in STEM fields, equipping students with the skills needed for future success.

| During the 2024–2025 school year:

- » TSA served **4,158** members statewide
 - 4,137 students
 - 21 advisors
- » Earned **121 first-place student awards**
- » Engaged **78 members** at Fall Leadership
- » Hosted **256 participants** at the State Leadership Event



CTE Spotlight

Lewis County High School (FBLA)

The student organization hosted a one-day conference designed to equip students with essential career readiness skills. The event featured breakout sessions on soft skills, professional attire, work ethic, resume, cover letter, and interview preparation!

FBLA officers collaborated with local businesses to organize and execute the successful event, ensuring that every aspect of the conference was entirely student-led.



Educators Rising

Educators Rising engages students who are interested in teaching through hands-on experiences, leadership development, and career exploration opportunities. Members gain practical skills in communication, lesson planning, classroom management, and professional development while participating in competitions, workshops, and community service projects. Educators Rising fosters a passion for education, cultivates leadership abilities, and equips students with the knowledge and experience needed to succeed in college, careers, and the teaching profession.



During the 2024–2025 school year:

- » Educators Rising reached **473 total members** across 23 counties
 - 436 students
 - 37 advisors
- » Celebrated **50 first-place student wins**
- » Engaged **32 members** at Fall Leadership
- » Hosted **190 participants** at the State Leadership Event

National FFA Organization

FFA prepares students for leadership, personal growth, and career success in agriculture and related industries. FFA engages students through hands-on learning, competitions, community service, and leadership development opportunities. Members gain practical skills in areas such as animal and plant science, agribusiness, environmental stewardship, and agricultural technology. FFA also emphasizes critical life skills—communication, teamwork, problem-solving, and decision-making—while fostering responsibility, civic engagement, and career readiness.

During the 2024–2025 school year:

- » FFA reached **7,598 total members** across 55 counties
 - 7,483 students
 - 115 advisors
- » Celebrated **130 first-place student finishes**
- » Engaged **521 students** at Fall Leadership
- » Hosted **476 participants** at the State Leadership Event



CTE Spotlight

Japeth Bayes, Agriculture Program

Japeth, a Wheeling Park High School Agriculture student, has excelled in FFA since 2021 as both a leader and competitor. A dual completer in Agricultural Business and Plant Systems, he earned top honors in CDEs—including 1st in Dairy Cattle Evaluation and Agriculture Mechanics—while helping his Dairy Cattle team win a state title and qualify for nationals. He earned his State FFA Degree, showing a market steer in 2023 and a lamb in 2024. As Chapter president for two years, Japeth has led recruitment, inspired involvement, and promoted agriculture with dedication.”

HOSA – Future Health Professionals

HOSA-Future Health Professionals is dedicated to promoting career opportunities in the healthcare industry and enhancing the delivery of quality healthcare to all people. It provides students with leadership training, professional development, and opportunities to participate in competitive events, community service, and networking with health professionals.

During the 2024–2025 school year:

- » HOSA reached **995 members** across 23 counties
 - 928 students
 - 67 advisors
- » Celebrated **70 first-place student wins**
- » Engaged **231 members** at Fall Leadership
- » Hosted **600 participants** at the State Leadership Event

Aries Jennings, a Preston High School senior, is enrolled in the Therapeutic Services Career Technical Education program and is working toward certifications as a Certified Nursing Assistant, Phlebotomy Technician, and EKG Technician. She is an officer in both the National Technical Honor Society and HOSA-Future Health Professionals student-led organization, qualifying for the International Leadership Conference for two years. In July 2024, Aries graduated from the competitive Mon Health and Education Alliance Internship Program, where she shadowed professionals in various medical departments and even observed a C-section on her own time.

Aries is also active in the FFA student-led organization, raising and auctioning ham and bacon hogs, earning the Grand Champion Bacon title at the 2024 Show and Sale. Since age eight, she has also shown hogs at the Preston County Youth Livestock Show at the Buckwheat Festival. Aries plans to pursue a master's degree as a Nurse Practitioner, specializing in Pediatrics and the Neonatal Intensive Care Unit, embodying a commitment to education, healthcare, and community service.



CTE Spotlight

Aries Jennings, Therapeutic Services Program

Aries Jennings, a Preston High School senior in the Therapeutic Services program, is pursuing certifications as a CNA, Phlebotomy Technician, and EKG Technician. An officer in both NTHS and HOSA, she qualified twice for the International Leadership Conference. In 2024, she completed the Mon Health and Education Alliance Internship, shadowing medical professionals and observing procedures. Active in FFA, Aries raises and auctions hogs, earning Grand Champion Bacon in 2024, and has shown livestock since age eight. She plans to pursue a master's as a Nurse Practitioner, specializing in Pediatrics and NICU care.



Programs





End-of-Year Data Overview

Participant data includes any student who takes a CTE course, even if the school is not officially offering the full program of study. These counts have been refined to show unique student participation within each program of study.

Concentrator data may show the same student in multiple programs of study because several programs share common courses.

Test Taken data may appear across multiple programs of study since many programs of study use the same technical assessment.

The school list reflects the programs of study that each school has self-identified as being offered and aligns with the current version of Policy 2520.13.

Agriculture, Food and Natural Resources Cluster

AG0110 - Power, Structural, and Technical Systems



The Power, Structural, and Technical Systems program focuses on the engineering and technological aspects of agricultural and industrial systems. It covers areas such as agricultural machinery, power systems, structural design, and environmental control systems. Students learn about the design, operation, and maintenance of equipment and structures used in agriculture and related industries. The program also includes topics such as hydraulics, electrical systems, renewable energy, precision agriculture, and construction techniques.

Performance Indicators

1,644 Participants	1,216 Concentrators	154 Completers	
116 Performance Tests Passed	54% Performance Pass Rate	121 Teachers Properly Endorsed	96% Endorsement Rate Among Teachers

Schools Offering Power, Structural, and Technical Systems

County	School	County	School	County	School
Barbour	Philip Barbour High School Complex	Jefferson	Jefferson High School	Tyler	Tyler Consolidated High School
Berkeley	Hedgesville High School	Jefferson	Washington High School	Upshur	Buckhannon Upshur High School
Berkeley	Martinsburg High School	Lincoln	Lincoln County High School	Ohio	Wheeling Park High School
Berkeley	Musselman High School	Marshall	Cameron High School	Pendleton	Pendleton County Middle/High School
Berkeley	Spring Mills High School	Mason	Hannan Junior/Senior High School	Preston	Preston High School
Cabell	Cabell Midland High School	Mason	Mason County Career Center	Raleigh	Independence High School
Clay	Clay County High School	Mineral	Mineral County Technical Center	Raleigh	Liberty High School
Doddridge	Doddridge County High School	Monroe	James Monroe High School	Raleigh	Shady Spring High School
Hampshire	Hampshire Senior High School	Morgan	Berkeley Springs High School	Raleigh	Woodrow Wilson High School
Hardy	Moorefield High School	Preston	Preston High School	Upshur	Buckhannon Upshur High School
Harrison	Lincoln High School	Raleigh	Shady Spring High		
Harrison	South Harrison High School	Randolph	Tygarts Valley Middle/High School		
Jackson	Ravenswood High School	Roane	Roane County High		
Jackson	Ripley High School	Tucker	Tucker County High School		

Agriculture, Food and Natural Resources Cluster

AG0120 - Agribusiness Systems



The Agribusiness Systems program offers a diverse array of agricultural specializations including fundamentals in agriculture entrepreneurship, animal production, plant systems, food science, agricultural mechanics, forest management, and natural resources. These sciences of agriculture are combined with the principles of business management including economics, finance, marketing, and rural development. Students also gain experience in entrepreneurial and employment record keeping through a program called the Agriculture Experience Tracker which builds a resume and portfolio of their work both inside and outside of class.

Performance Indicators

2,454

Participants

429

Performance Tests Passed

1,825

Concentrators

65%

Performance Pass Rate

429

Completers

145

Teachers Properly Endorsed

96%

Endorsement Rate Among Teachers

Schools Offering Agribusiness Systems

County	School	County	School	County	School
Barbour	Philip Barbour High School Complex	Jackson	Ravenswood High School	Pocahontas	Pocahontas County High School
Berkeley	Hedgesville High School	Jackson	Ripley High School	Preston	Preston High School
Berkeley	Martinsburg High School	Lewis	Lewis County High School	Putnam	Buffalo High School
Berkeley	Musselman High School	Lincoln	Lincoln County High School	Putnam	Poca High School
Berkeley	Spring Mills High School	Marshall	Cameron High School	Raleigh	Independence High School
Braxton	Braxton County High School	Marshall	John Marshall High School	Raleigh	Liberty High School
Cabell	Cabell Midland High School	Mason	Hannan Junior/Senior High School	Raleigh	Shady Spring High
Calhoun	Calhoun Middle/High School	Mason	Mason County Career Center	Randolph	Tygart's Valley Middle/High School
Clay	Clay County High School	Mason	Wahama Junior/Senior High School	Ritchie	Ritchie County High School
Doddridge	Doddridge County High School	Mineral	Mineral County Technical Center	Roane	Roane County High
Gilmer	Gilmer County High School	Mingo	Tug Valley High School	Taylor	Grafton High School
Grant	Petersburg High School	Monongalia	Clay-Battelle High School	Tucker	Tucker County High School
Greenbrier	Greenbrier West High School	Monongalia	University High School	Tyler	Tyler Consolidated High School
Hampshire	Hampshire Senior High School	Monroe	James Monroe High School	Upshur	Buckhannon Upshur High School
Hardy	East Hardy High School	Morgan	Berkeley Springs High School	Wayne	Tolsia High School
Hardy	Moorefield High School	Nicholas	Nicholas County Career and Technical Center	Wayne	Wayne High School
Harrison	Bridgeport High School	Ohio	Wheeling Park High School	Wirt	Wirt County High School
Harrison	Lincoln High School	Pendleton	Pendleton County Middle/High School	Wood	Wood County Vocational Technical Center
Harrison	Robert C Byrd High School	Pleasants	St. Marys High School		
Harrison	South Harrison High School				

Agriculture, Food and Natural Resources Cluster

AG0130 - Forest Industry



The Forest Industry program focuses on the fundamentals of forest and timber management. This program covers units in silviculture, ecology, sustainability, timber harvesting, forest health, forest equipment and technology usage, and safe forestry practices.

Performance Indicators

120 Participants	14 Concentrators	12 Completers	
9 Performance Tests Passed	71% Performance Pass Rate	19 Teachers Properly Endorsed	95% Endorsement Rate Among Teachers

Schools Offering Forest Industry

County	School
Fayette	Fayette Institute of Technology
Pocahontas	Pocahontas County High School

Agriculture, Food and Natural Resources Cluster

AG0170 - Natural Resources Management



The Natural Resources Management program focuses on the sustainable management and conservation of natural resources, including water, soil, minerals, forests, and wildlife. Students learn about resource assessment, environmental impact analysis, and the implementation of conservation practices. The program also covers topics such as land use planning, renewable energy, and ecosystem management.

Performance Indicators

1,728

Participants

81

Performance Tests Passed

1,166

Concentrators

58%

Performance Pass Rate

104

Completers

126

Teachers Properly Endorsed

95%

Endorsement Rate Among Teachers

Schools Offering Natural Resource Management

County	School
Braxton	Braxton County High School
Cabell	Cabell Midland High School
Calhoun	Calhoun Middle/High School
Doddridge	Doddridge County High School
Greenbrier	Greenbrier East High School
Hampshire	Hampshire Senior High School
Jackson	Ravenswood High School
Jackson	Ripley High School
Jefferson	Jefferson High School
Jefferson	Washington High School
Kanawha	Carver Career Center
Lincoln	Lincoln County High School
Marion	Marion County Technical Center

County	School
Mineral	Mineral County Technical Center
Pocahontas	Pocahontas County High School
Putnam	Buffalo High School
Putnam	Poca High School
Raleigh	Independence High School
Raleigh	Liberty High School
Raleigh	Shady Spring High
Randolph	Elkins High School
Randolph	Harman Elementary/High School
Randolph	Tygarts Valley Middle/High School
Summers	6-12 Summers County Comprehensive HS
Tyler	Tyler Consolidated High School
Upshur	Buckhannon Upshur High School

Agriculture, Food and Natural Resources Cluster

AG0210 – Plant Systems



The Plant Systems program covers topics of plant production, cultivation, management, biotechnology, environmental factors affecting plant growth, plant genetics, pest management, and fertilization. Students will gain hands-on experiences in labs including greenhouses and turf grass management areas. Students completing the program will be prepared for careers in crop production, horticulture, nursery landscaping, agribusiness, plant nutrition, and agriculture extension.

Performance Indicators

1,837

Participants

204

Performance Tests Passed

1,300

Concentrators

64%

Performance Pass Rate

248

Completers

121

Teachers Properly Endorsed

96%

Endorsement Rate Among Teachers

Schools Offering Plant Systems

County	School	County	School	County	School
Barbour	Philip Barbour High School Complex	Jackson	Ripley High School	Randolph	Tygart's Valley Middle/High School
Berkeley	Hedgesville High School	Jefferson	Jefferson High School	Ritchie	Ritchie County High School
Berkeley	Martinsburg High School	Jefferson	Washington High School	Roane	Roane County High
Berkeley	Musselman High School	Kanawha	Carver Career Center	Summers	6-12 Summers County Comprehensive HS
Berkeley	Spring Mills High School	Kanawha	Sissonville High School	Taylor	Grafton High School
Braxton	Braxton County High School	Lincoln	Lincoln County High School	Tucker	Tucker County High School
Cabell	Cabell Midland High School	Marshall	Cameron High School	Tyler	Tyler Consolidated High School
Calhoun	Calhoun Middle/High School	Marshall	John Marshall High School	Upshur	Buckhannon Upshur High School
Doddridge	Doddridge County High School	Mineral	Mineral County Technical Center	Wayne	Spring Valley High School
Gilmer	Gilmer County High School	Mingo	Tug Valley High School	Wayne	Tolsia High School
Greenbrier	Greenbrier East High School	Monongalia	Clay-Battelle High School	Wayne	Wayne High School
Greenbrier	Greenbrier West High School	Monongalia	University High School	Taylor	Grafton High School
Hampshire	Hampshire Senior High School	Monroe	James Monroe High School	Tucker	Tucker County High School
Hardy	East Hardy High School	Ohio	Wheeling Park High School	Tyler	Tyler Consolidated High School
Harrison	Bridgeport High School	Preston	Preston High School	Upshur	Buckhannon Upshur High School
Harrison	Lincoln High School	Putnam	Poca High School	Wayne	Tolsia High School
Harrison	Robert C Byrd High School	Raleigh	Liberty High School	Wayne	Wayne High School
Harrison	South Harrison High School	Raleigh	Shady Spring High		
Jackson	Ravenswood High School	Randolph	Pickens Elementary/High School		

Agriculture, Food and Natural Resources Cluster

AG0220 – Animal Systems



The Animal Systems program offers experience within animal production, management, nutrition, and reproduction. The program also covers topics of animal genetics, disease prevention and management, and animal welfare. Students will utilize a variety of problem-solving techniques and hands-on experiences that will equip them with skills needed in the animal husbandry and veterinary industries.

Performance Indicators

1,555

Participants

110

Performance Tests Passed

1,068

Concentrators

67%

Performance Pass Rate

119

Completers

129

Teachers Properly Endorsed

96%

Endorsement Rate Among Teachers

Schools Offering Animal Systems

County	School
Berkeley	Hedgesville High School
Berkeley	Musselman High School
Braxton	Braxton County High School
Cabell	Cabell Midland High School
Greenbrier	Greenbrier East High School
Hampshire	Hampshire Senior High School
Jackson	Ravenswood High School
Jackson	Ripley High School
Jefferson	Jefferson High School
Jefferson	Washington High School
Kanawha	Ben Franklin Career Center
Kanawha	Carver Career Center

County	School
Kanawha	Sissonville High School
Lincoln	Lincoln County High School
Marion	Marion County Technical Center
Mason	Hannan Junior/Senior High School
Mason	Mason County Career Center
Mason	Wahama Junior/Senior High School
Mineral	Mineral County Technical Center
Monroe	James Monroe High School
Pocahontas	Pocahontas County High School
Preston	Preston High School
Raleigh	Shady Spring High
Randolph	Tygarts Valley Middle/High School

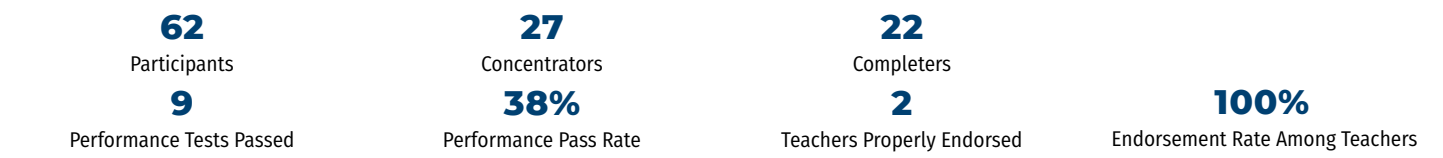
Agriculture, Food and Natural Resources Cluster

AG0223 – Pet Grooming



The Pet Grooming program provides comprehensive training that covers the main segments of pet care including grooming, boarding, obedience, and behavior management. Students will maintain animal handling facilities, provide food and water, perform basic exams on pets, monitor vitals, maintain health records, and interact with pet owners concerning grooming needs and general health information.

Performance Indicators



Schools Offering Pet Grooming

County	School
Hampshire	Hampshire Senior High School
Kanawha	Ben Franklin Career Center
Mingo	Tug Valley High School

Agriculture, Food and Natural Resources Cluster

AG0230 – Animal Processing



The Animal Processing program equips students with skills in the wholesale and retail processing of livestock animals including beef, pork, and lamb. Students will gain skills in meat science, meat cutting, food safety, sanitation, regulatory compliance, and quality control. Students are prepared to enter careers within the food service industry, meat processing industry, and the department of agriculture.

Performance Indicators

1,330

Participants

26

Performance Tests Passed

946

Concentrators

47%

Performance Pass Rate

43

Completers

113

Teachers Properly Endorsed

97%

Endorsement Rate Among Teachers

Schools Offering Animal Processing

County	School
Cabell	Cabell Midland High School
Doddridge	Doddridge County High School
Gilmer	Gilmer County High School
Hampshire	Hampshire Senior High School
Harrison	South Harrison High School
Marion	Marion County Technical Center
Mason	Mason County Career Center
Monroe	James Monroe High School
Preston	Preston High School
Raleigh	Shady Spring High
Roane	Roane County High
Tyler	Tyler Consolidated High School

Architecture and Construction Cluster

AR1600 – Heating, Ventilation, and Air Conditioning Technician



The HVAC Technician provides students with foundational knowledge and technical skills required for the HVAC industry. This program focuses on piping practices, air distribution systems, heating systems, and cooling systems. Students will also learn how to troubleshoot gas heating and cooling systems, basic installation of systems, and maintenance of those systems. Overall, the HVAC program ensures students are well-prepared for careers in the HVAC industry by integrating real-world instruction, safety practices, and technology skills into the student's learning.

Performance Indicators

209 Participants	136 Concentrators	106 Completers	
78 Performance Tests Passed	69% Performance Pass Rate	11 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering HVAC Technician

County	School
Cabell	Cabell County Career Technology Center
Doddridge	Doddridge County High School
Fayette	Fayette Institute of Technology
Kanawha	Ben Franklin Career Center
Logan	Ralph R Willis Career/Technical Center
Mason	Mason County Career Center
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Upshur	Fred W Eberle Tech Center
Wayne	Wayne High School
Upshur	Fred W. Eberle Technical Center
Wayne	Wayne High School

Architecture and Construction Cluster

AR1720 – Computer Aided Drafting and Design



The Computer Aided Drafting and Design (CADD) program prepares students with the skills to create precise technical drawings and plans using advanced computer software. This program covers various aspects of drafting, including architectural, mechanical, and civil drafting, providing students with a strong foundation in design and engineering principles.

Performance Indicators

170 Participants	82 Concentrators	53 Completers	
25 Performance Tests Passed	44% Performance Pass Rate	10 Teachers Properly Endorsed	83% Endorsement Rate Among Teachers

Schools Offering CADD

County	School
Berkeley	Musselman High School
Berkeley	Spring Mills High School
Fayette	Fayette Institute of Technology
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Marshall	John Marshall High School
Pleasants	Mid-Ohio Valley Technical Institute
Raleigh	Academy of Careers and Technology
Wetzel	Wetzel County Technical Education Center
Wood	Caperton Center for Applied Technology
Wyoming	Wyoming County Career and Technical Center

Architecture and Construction Cluster

AR1760 - Electrical Technician



The Electrical Technician program equips students with the knowledge and hands-on skills needed for success in the electrical trades. Through a combination of classroom instruction and practical experience, students learn to install, maintain, and troubleshoot electrical systems in residential, commercial, and industrial settings. Upon successful completion of the program and fulfillment of requirements outlined in Policy 2520.13, students may be eligible to take the Journeyman Electrician License exam—giving them a direct pathway into a high-demand career field.

Performance Indicators

756

Participants

218

Performance Tests Passed

470

Concentrators

58%

Performance Pass Rate

348

Completers

30

Teachers Properly Endorsed

97%

Endorsement Rate Among Teachers

Schools Offering Electrical Technician

County	School
Berkeley	James Rumsey Technical Institute
Boone	Boone Career and Technical Center
Braxton	Braxton County High School
Brooke	Brooke High School
Cabell	Cabell County Career Technology Center
Calhoun	Calhoun-Gilmer Career Center
Clay	Clay County High School
Fayette	Fayette Institute of Technology
Grant	South Branch Vocational School
Harrison	United Technical Center
Kanawha	Ben Franklin Career Center
Kanawha	Carver Career Center
Logan	Ralph R Willis Career/Technical Center

County	School
Marion	East Fairmont High School
Marion	Marion County Technical Center
Mason	Mason County Career Center
Monongalia	Monongalia Technical Education Center
Nicholas	Nicholas County Career and Technical Center
Preston	Preston High School
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Randolph	Randolph Technical Center
Upshur	Fred W Eberle Tech Center
Wetzel	Wetzel County Technical Education Center
Wood	Caperton Center for Applied Technology
Wyoming	Wyoming County Career and Technical Center

Architecture and Construction Cluster

AR 1800 - Building Maintenance and Operations



The Building Maintenance and Operations program equips students with essential knowledge and technical skills in building maintenance. Students explore basic safety, construction math, hand and power tools, construction drawings, as well as various employability skills. They receive hands-on experience in a variety of building maintenance skills including handling and placing concrete, framing walls and ceilings, and roof framing. In this program, students gain industry-relevant skills while integrating learning technology tools and skill sets to prepare them for careers in building maintenance and operation.

Performance Indicators

315 Participants	271 Concentrators	131 Completers	
56 Performance Tests Passed	40% Performance Pass Rate	16 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering Building Maintenance and Operations

County	School
Berkeley	Musselman High School
Boone	Boone Career and Technical Center
Cabell	Cabell County Career Technology Center
Grant	South Branch Vocational School
Hampshire	Hampshire Senior High School
Lewis	Lewis County High School
Logan	Ralph R Willis Career/Technical Center
Marshall	John Marshall High School
Monongalia	Monongalia Technical Education Center
Pleasants	Mid-Ohio Valley Technical Institute
Raleigh	Academy of Careers and Technology
Summers	6-12 Summers County Comprehensive HS
Taylor	Grafton High School
Wood	Parkersburg South High School
Wood	Williamstown High School

Architecture and Construction Cluster

AR1820 - Carpentry



The Carpentry program focuses on building the knowledge base and technical skills in all aspects of the carpentry industry. Learners will be exposed to a broad range of construction careers and foundation knowledge including basic safety; plan reading; use of tools and equipment; basic rigging; and how to employ positive work ethics in their careers. Students will have the opportunity to earn relevant industry credentials.

Performance Indicators

947 Participants	612 Concentrators	458 Completers	
225 Performance Tests Passed	47% Performance Pass Rate	42 Teachers Properly Endorsed	95% Endorsement Rate Among Teachers

Schools Offering Carpentry

County	School	County	School	County	School
Berkeley	James Rumsey Technical Institute	Lincoln	Lincoln County High School	Putnam	Putnam Career and Technical Center
Braxton	Braxton County High School	Logan	Ralph R Willis Career/Technical Center	Raleigh	Academy of Careers and Technology
Brooke	Brooke High School	Marion	Marion County Technical Center	Randolph	Randolph Technical Center
Cabell	Cabell County Career Technology Center	Marshall	John Marshall High School	Taylor	Grafton High School
Calhoun	Calhoun-Gilmer Career Center	Mercer	Mercer County Technical Education Center	Tucker	Tucker County High School
Clay	Clay County High School	Mineral	Mineral County Technical Center	Upshur	Fred W Eberle Tech Center
Fayette	Fayette Institute of Technology	Mingo	Mingo Central Comprehensive High School	Wayne	Spring Valley High School
Grant	South Branch Vocational School	Monongalia	Monongalia Technical Education Center	Wayne	Tolsia High School
Greenbrier	Greenbrier East High School	Monroe	James Monroe High School	Webster	Webster County High School
Greenbrier	Greenbrier West High School	Nicholas	Nicholas County Career and Technical Center	Wirt	Wirt County High School
Hampshire	Hampshire Senior High School	Ohio	Wheeling Park High School	Wood	Wood County Vocational Technical Center
Hancock	John D. Rockefeller Career Center	Pleasants	Mid-Ohio Valley Technical Institute	Wyoming	Wyoming County Career and Technical Center
Harrison	United Technical Center	Pocahontas	Pocahontas County High School	Wyoming	Wyoming County Career and Technical Center
Jackson	Roane-Jackson Technical Center	Preston	Preston High School		
Kanawha	Ben Franklin Career Center				
Kanawha	Carver Career Center				

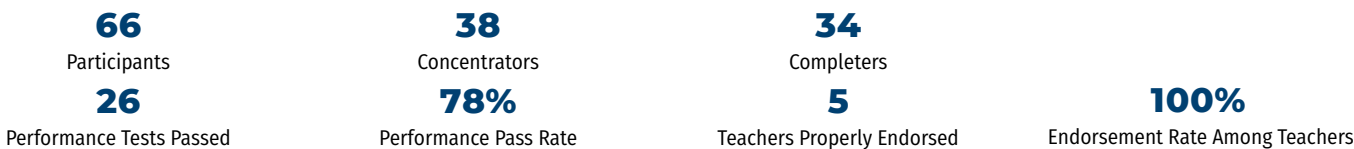
Architecture and Construction Cluster

AR1910 - Masonry



The Masonry program equips students with essential knowledge and technical skills necessary for the masonry industry. The program follows a structured approach, progressing from fundamental skills to advanced masonry techniques with a strong emphasis on hands-on learning, safety, and real-world applications. Students will explore materials handling, measurements, mortar preparation and application, grouting techniques, reinforcement techniques, and moisture control techniques. Precision and craftsmanship are emphasized to meet industry standards. The program provides students with practical learning opportunities while developing problem-solving techniques to ensure they are prepared for a successful career in the masonry industry.

Performance Indicators



Schools Offering Masonry

County	School
Berkeley	James Rumsey Technical Institute
Harrison	United Technical Center
Mercer	Mercer County Technical Education Center
Putnam	Putnam Career and Technical Center

Architecture and Construction Cluster

AR2140 - Plumbing



The Plumbing program provides students with foundational knowledge and technical skills essential to the plumbing industry. The course covers a range of topics, including the use of plumbing tools, plumbing math, and plumbing drawings. Students will learn about various materials and fittings, such as plastic, copper, cast iron, carbon steel, and corrugated stainless steel tubing. Additionally, the course introduces key systems in plumbing, including drain, waste, and vent (DWV) systems and water distribution systems. Through problem-solving exercises and hands-on activities, students will gain practical experience and a thorough understanding of these concepts.

Performance Indicators

106 Participants	80 Concentrators	67 Completers	
40 Performance Tests Passed	57% Performance Pass Rate	11 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering Plumbing

County	School
Doddridge	Doddridge County High School
Kanawha	Carver Career Center
Mercer	Mercer County Technical Education Center
Monongalia	Monongalia Technical Education Center
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Wood	Parkersburg High School

Arts, A/V Technology and Communications Cluster

AV1680 – Broadcasting Technology



The Broadcasting Technology program provides knowledge development and training in radio and television broadcasting, emphasizing broadcasting fundamentals, equipment operation, and on-air presentation techniques. Students promote career readiness, refine job-seeking strategies, and uphold ethical standards crucial for success in broadcasting. They gain practical experience in conducting live or simulated broadcasts, covering news, and managing production. Exploring how to write for television news, conduct interviews, and master advanced production techniques using cutting-edge equipment, students prepare for fields in Broadcasting.

Performance Indicators

143 Participants	190 Concentrators	71 Completers	
60 Performance Tests Passed	77% Performance Pass Rate	11 Teachers Properly Endorsed	55% Endorsement Rate Among Teachers

Schools Offering Broadcasting Technology

County	School
Berkeley	Hedgesville High School
Berkeley	Martinsburg High School
Berkeley	Musselman High School
Berkeley	Spring Mills High School
Brooke	Brooke High School
Clay	Clay County High School
Grant	South Branch Vocational School
Hampshire	Hampshire Senior High School
Harrison	Robert C Byrd High School
Kanawha	Nitro High School
Lewis	Lewis County High School
Logan	Logan Senior High School
Marion	Marion County Technical Center
Marshall	John Marshall High School
Monongalia	University High School
Ohio	Wheeling Park High School
Tyler	Tyler Consolidated High School
Wayne	Tolsia High School

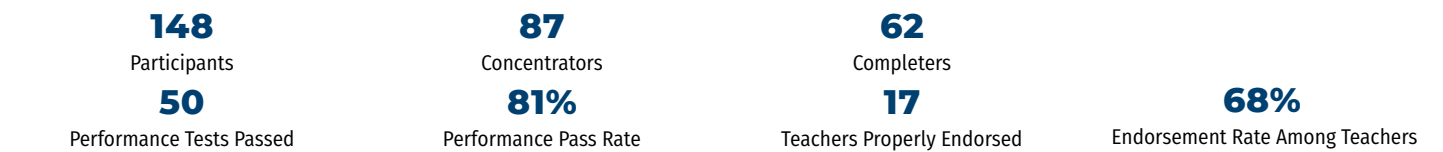
Arts, A/V Technology and Communications Cluster

AV1684 - Multimedia Publishing



The Multimedia Publishing program equips students with essential skills for visual communication. Using digital cameras and professional software, students create print and web publications, covering page layout, desktop publishing, and digital publishing. They explore digital imaging, focusing on photojournalism and advertising photography, mastering DSLR and mirrorless cameras, and key functions like shutter speed, aperture, and exposure. Through hands-on projects, students apply design principles to capture compelling images. The program also covers multimedia production, including videography, video editing, and motion graphics, and introduces cross-media publishing using blogging, video sharing, and social media for journalism and marketing.

Performance Indicators



Schools Offering Multimedia Publishing

County	School
Berkeley	Hedgesville High School
Berkeley	James Rumsey Technical Institute
Berkeley	Martinsburg High School
Fayette	Fayette Institute of Technology
Kanawha	Capital High School
Kanawha	Carver Career Center
Kanawha	Nitro High School
Kanawha	Sissonville High School
Pleasants	Mid-Ohio Valley Technical Institute
Roane	Roane County High
Upshur	Buckhannon Upshur High School
Wyoming	Wyoming County Career and Technical Center

Arts, A/V Technology and Communications Cluster

AV1690 - Social Journalism



The Social Journalism program equips students with the skills to gather, create, and share news and information that serves diverse communities. Blending traditional journalism principles with modern digital media tools, students learn to research, report, write, and produce content for various platforms, including social media, podcasts, blogs, and video. The program emphasizes ethical reporting, audience engagement, and the role of journalism in a democratic society, preparing students for careers in media, communications, and public affairs.

Performance Indicators

8,209 Participants	2,507 Concentrators	13 Completers	
6 Performance Tests Passed	75% Performance Pass Rate	251 Teachers Properly Endorsed	92% Endorsement Rate Among Teachers

Schools Offering Social Journalism

County	School
Berkeley	Hedgesville High School
Berkeley	Martinsburg High School
Berkeley	Musselman High School
Berkeley	Spring Mills High School
Jefferson	Jefferson High School
Jefferson	Washington High School
Kanawha	Capital High School
Kanawha	George Washington High School
Kanawha	Sissonville High School
Lincoln	Lincoln County High School
Wayne	Tolsia High School

Arts, A/V Technology and Communications Cluster

AV1840 - Graphic Design and Illustration



The Graphic Design and Illustration program introduces students to the creative and technical aspects of visual communication. Through hands-on projects and industry-standard software, students learn design principles, typography, digital illustration, branding, and layout design. The program prepares students for careers in graphic design, advertising, digital media, and related fields, while fostering creativity, problem-solving, and professional design skills.

Performance Indicators

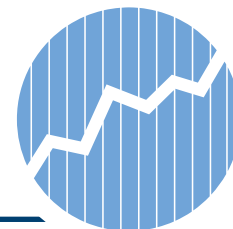
362 Participants	332 Concentrators	239 Completers	
112 Performance Tests Passed	79% Performance Pass Rate	50 Teachers Properly Endorsed	91% Endorsement Rate Among Teachers

Schools Offering Graphic Design and Illustration

County	School
Kanawha	Carver Career Center
Kanawha	Herbert Hoover High School
Lincoln	Lincoln County High School

Business Management and Administration Cluster

BM0510 - Career and Work Skills Training (CWST)



The Career and Work Skills Training program provides students with essential skills and knowledge to thrive in professional settings. Through classroom sessions, interactive lectures, practical exercises, and work experiences, students develop competencies critical for success in various career paths and actively seek employment or on-the-job training opportunities. This comprehensive program ensures students are well-prepared for diverse professional environments by integrating academic knowledge with practical skills and real-world experiences. Students gain the confidence and competencies needed to pursue successful careers and effectively meet workplace demands.

Performance Indicators

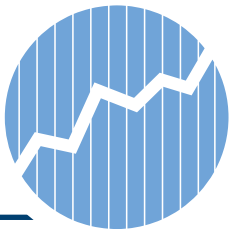
1,127 Participants	1,457 Concentrators	1,457 Completers	
924 Performance Tests Passed	73% Performance Pass Rate	40 Teachers Properly Endorsed	89% Endorsement Rate Among Teachers

Schools Offering CWST

County	School	County	School	County	School
Barbour	Philip Barbour High School Complex	Jackson	Ravenswood High School	Marion	East Fairmont High School
Berkeley	Hedgesville High School	Jackson	Ripley High School	Marion	Fairmont Senior High School
Berkeley	Martinsburg High School	Jackson	Roane-Jackson Technical Center	Marion	Marion County Technical Center
Berkeley	Musselman High School	Jefferson	Jefferson High School	Mercer	Princeton Senior High School
Berkeley	Spring Mills High School	Jefferson	Washington High School	Monongalia	Monongalia Technical Education Center
Boone	Boone Career and Technical Center	Kanawha	Ben Franklin Career Center	Morgan	Berkeley Springs High School
Braxton	Braxton County High School	Kanawha	Capital High School	Nicholas	Nicholas County Career and Technical Center
Clay	Clay County High School	Kanawha	Carver Career Center	Putnam	Buffalo High School
Fayette	Fayette Institute of Technology	Kanawha	George Washington High School	Putnam	Hurricane High School
Grant	South Branch Vocational School	Kanawha	Herbert Hoover High School	Putnam	Poca High School
Hampshire	Hampshire Senior High School	Kanawha	Nitro High School	Putnam	Winfield High School
Hardy	East Hardy High School	Kanawha	Riverside High School	Randolph	Randolph Technical Center
Hardy	Moorefield High School	Kanawha	Saint Albans High School	Upshur	Buckhannon Upshur High School
Harrison	Lincoln High School	Kanawha	Sissonville High School	Wood	Wood County Vocational Technical Center
Harrison	Robert C Byrd High School	Kanawha	South Charleston High School		
Harrison	United Technical Center	Lewis	Lewis County High School		

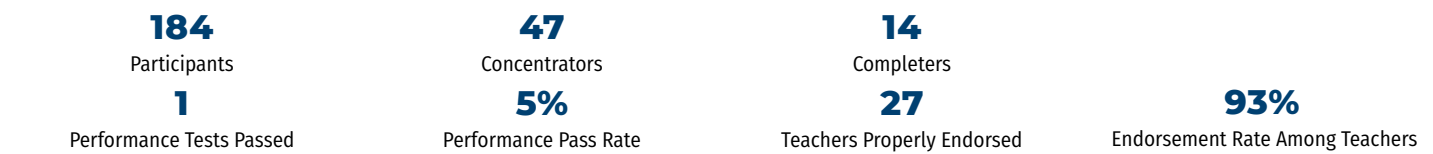
Business Management and Administration Cluster

BM1950 – Entrepreneurship



The Entrepreneurship program provides students with a comprehensive pathway to develop and launch successful ventures through a series of courses designed to cultivate entrepreneurial skills and knowledge. Through this program, students gain practical skills, knowledge, and confidence to develop and launch successful entrepreneurial ventures, ensuring they are well-prepared to navigate the complexities of starting and managing a business in today’s competitive landscape.

Performance Indicators

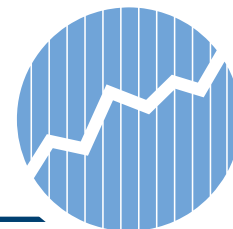


Schools Offering Entrepreneurship

County	School
Doddridge	Doddridge County High School
Hardy	Moorefield High School
Kanawha	Carver Career Center
Kanawha	Nitro High School
Mineral	Mineral County Technical Center
Mingo	Mingo Central Comprehensive High School
Nicholas	Nicholas County Career and Technical Center
Ohio	Wheeling Park High School
Pleasants	Mid-Ohio Valley Technical Institute
Upshur	Buckhannon Upshur High School
Wirt	Wirt County High School

Business Management and Administration Cluster

BM1965 - Business Enterprise



The Business Enterprise program introduces students to the core principles of business ownership and entrepreneurship. Students explore topics such as business planning, marketing, finance, management, and customer service. Through hands-on projects and real-world simulations, they develop the skills needed to launch and operate a small business. The program prepares students for further education or entry-level careers in business, management, or entrepreneurship.

Performance Indicators

3,579

Participants

105

Performance Tests Passed

1,688

Concentrators

80%

Performance Pass Rate

136

Completers

184

Teachers Properly Endorsed

93%

Endorsement Rate Among Teachers

Schools Offering Business Enterprise

County	School
Barbour	Philip Barbour High School Complex
Cabell	Huntington High School
Fayette	Fayette Institute of Technology
Hardy	Moorefield High School
Harrison	Lincoln High School
Jefferson	Jefferson High School
Jefferson	Washington High School
Kanawha	Herbert Hoover High School
Logan	Chapmanville Regional High School
Logan	Man Senior High School
Marion	East Fairmont High School
Marion	Fairmont Senior High School
Marshall	Cameron High School
Mason	Hannan Junior/Senior High School
Mason	Mason County Career Center
Mason	Wahama Junior/Senior High School
Mercer	Bluefield High School
Mercer	Pikeview High School

County	School
Mercer	Princeton Senior High School
Mineral	Frankfort High School
Mineral	Mineral County Technical Center
Morgan	Berkeley Springs High School
Preston	Preston High School
Raleigh	Independence High School
Raleigh	Liberty High School
Raleigh	Shady Spring High
Raleigh	Woodrow Wilson High School
Randolph	Randolph Technical Center
Taylor	Grafton High School
Tyler	Tyler Consolidated High School
Virtual	Virtual Preparatory Academy of West Virginia
Webster	Webster County High School
Wirt	Wirt County High School
Wood	Williamstown High School

Early Childhood Classroom Assistant Teacher (ECCAT)

ED1320 - Education and Training Cluster



The Early Childhood Education Classroom Assistant Teacher (ECCAT) program prepares students to work as assistant teachers in early childhood classrooms. Students will gain specialized knowledge and skills essential for supporting young children's cognitive, social, emotional, and physical development. In addition, students will learn essential tools and strategies for teaching foundational math, language, and literacy concepts to young learners. Through engaging coursework and hands-on field experiences, students will be well-equipped to support lead teachers in classrooms ranging from Pre-K through 3rd grade.

Performance Indicators

370 Participants	281 Concentrators	144 Completers	
158 Performance Tests Passed	93% Performance Pass Rate	20 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering ECCAT

County	School
Berkeley	James Rumsey Technical Institute
Brooke	Brooke High School
Cabell	Cabell Midland High School
Cabell	Huntington High School
Hancock	Oak Glen High School
Hancock	Weir High School
Jackson	Roane-Jackson Technical Center
Kanawha	Ben Franklin Career Center
Kanawha	Capital High School
Lincoln	Lincoln County High School
Logan	Man Senior High School
Mineral	Mineral County Technical Center
Monongalia	Monongalia Technical Education Center
Monroe	James Monroe High School
Nicholas	Nicholas County Career and Technical Center
Pendleton	Pendleton County Middle/High School
Preston	Preston High School
Summers	6-12 Summers County Comprehensive HS
Upshur	Buckhannon Upshur High School

Finance Cluster

FI1420 - Financial Management



The Financial Management program equips students with the knowledge and skills to manage personal and business finances effectively. Students learn about budgeting, banking, investing, credit, financial planning, and the role of financial institutions. The program also introduces concepts of accounting, insurance, and risk management. With a focus on real-world applications, students are prepared for further education or careers in finance, accounting, banking, and related fields.

Performance Indicators

670

Participants

2

Performance Tests Passed

299

Concentrators

29%

Performance Pass Rate

5

Completers

81

Teachers Properly Endorsed

98%

Endorsement Rate Among Teachers

Schools Offering Financial Management

County	School
Berkeley	Martinsburg High School
Gilmer	Gilmer County High School
Jackson	Ripley High School
Kanawha	Herbert Hoover High School
Marion	East Fairmont High School
Mason	Wahama Junior/Senior High School
Mercer	Pikeview High School
Mercer	Princeton Senior High School
Mineral	Mineral County Technical Center
Preston	Preston High School
Raleigh	Independence High School
Raleigh	Shady Spring High
Raleigh	Woodrow Wilson High School
Upshur	Buckhannon Upshur High School
Wood	Parkersburg South High School

Government and Public Administration Cluster

GO1070 - JROTC



The JROTC program is offered to high school students and is intended to instruct cadets in character education, student achievement, wellness, leadership, and diversity. JROTC is a cooperative effort between the Department of Defense (DoD) and the high schools to produce successful students and citizens, while fostering in each school a more constructive and disciplined learning environment. (DoDI 1205.13 - 5.2.5.1. Student presenting evidence of successful completion of at least two academic years of the JROTC program under any Military Department is entitled to advanced promotion to the grade of no less than E-2 on initial enlistment in an Active or Reserve component of a Military Service. At their discretion, the Military Departments may award the grade of E-3 for successful completion of three academic years of the JROTC program.)

Performance Indicators

560

Participants

269

Performance Tests Passed

711

Concentrators

91%

Performance Pass Rate

287

Completers

55

Teachers Properly Endorsed

93%

Endorsement Rate Among Teachers

Schools Offering JROTC

County	School
Berkeley	Martinsburg High School
Cabell	Cabell Midland High School
Cabell	Huntington High School
Fayette	Fayette Institute of Technology
Greenbrier	Greenbrier East High School
Greenbrier	Greenbrier West High School
Harrison	Lincoln High School
Harrison	Robert C Byrd High School
Jefferson	Jefferson High School
Kanawha	Capital High School
Kanawha	George Washington High School
Kanawha	Nitro High School
Kanawha	Riverside High School
Kanawha	Saint Albans High School
Kanawha	Sissonville High School
Kanawha	South Charleston High School

County	School
Lewis	Lewis County High School
Lincoln	Lincoln County High School
Mercer	Bluefield High School
Mercer	Montcalm High School
Mercer	Pikeview High School
Mercer	Princeton Senior High School
Monroe	James Monroe High School
Nicholas	Nicholas County High School
Preston	Preston High School
Raleigh	Woodrow Wilson High School
Wayne	Spring Valley High School
Wayne	Tolsia High School
Wayne	Wayne High School
Webster	Webster County High School
Wood	Parkersburg High School
Wood	Parkersburg South High School

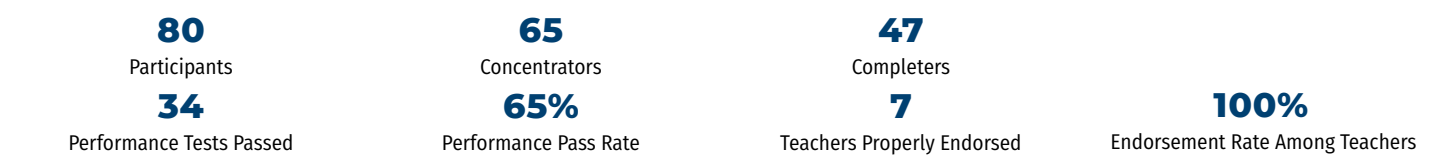
Health Science Cluster

HE0700 – Dental Assisting



The Dental Assisting program is designed to prepare students for careers in dental health care. This comprehensive program offers training in dental procedures, patient care, dental office management, and infection control. Through hands-on experience, technical skills development, and industry certifications, students are equipped for immediate entry into the dental workforce or further education in dental health fields.

Performance Indicators



Schools Offering Dental Assisting

County	School
Kanawha	Carver Career Center
Marshall	John Marshall High School
Mercer	Mercer County Technical Education Center
Monongalia	Monongalia Technical Education Center
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology

Health Science Cluster

HE0715 - Allied Health



The Allied Health program provides students with an opportunity to explore careers dedicated to improving patients' health. Health professionals in this field work directly with patients, offering care, treatment, and health education. This program equips students with essential skills that can lead to entry-level certifications and prepares them for further education in a post-secondary environment.

Performance Indicators

1,447

Participants

223

Performance Tests Passed

1,131

Concentrators

97%

Performance Pass Rate

258

Completers

93

Teachers Properly Endorsed

97%

Endorsement Rate Among Teachers

Schools Offering Allied Health

County	School
Barbour	Philip Barbour High School Complex
Boone	Boone Career and Technical Center
Cabell	Cabell Midland High School
Calhoun	Calhoun-Gilmer Career Center
Fayette	Fayette Institute of Technology
Hampshire	Hampshire Senior High School
Harrison	United Technical Center
Kanawha	Ben Franklin Career Center
Monongalia	Monongalia Technical Education Center
Pleasants	Mid-Ohio Valley Technical Institute
Preston	Preston High School
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Tucker	Tucker County High School
Upshur	Fred W Eberle Tech Center
Wood	Wood County Vocational Technical Center

Health Science Cluster

HE0723 - Therapeutic Services



The Therapeutic Services program provides students with an in-depth exploration of careers aimed at improving patient health over time. Health professionals within this field work directly with patients to deliver care, treatment, counseling, and health education. This program equips students with the knowledge and skills necessary to succeed in various health care roles, emphasizing hands-on experience, certifications, and real-world learning opportunities.

Performance Indicators

1,663

Participants

601

Performance Tests Passed

1,087

Concentrators

98%

Performance Pass Rate

579

Completers

88

Teachers Properly Endorsed

98%

Endorsement Rate Among Teachers

Schools Offering Therapeutic Services

County	School
Barbour	Philip Barbour High School Complex
Berkeley	James Rumsey Technical Institute
Boone	Boone Career and Technical Center
Braxton	Braxton County High School
Brooke	Brooke High School
Cabell	Cabell Midland High School
Cabell	Huntington High School
Calhoun	Calhoun-Gilmer Career Center
Clay	Clay County High School
Fayette	Fayette Institute of Technology
Grant	South Branch Vocational School
Greenbrier	Greenbrier East High School
Hampshire	Hampshire Senior High School
Hancock	John D. Rockefeller Career Center
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Jefferson	Jefferson High School
Jefferson	Washington High School
Kanawha	Ben Franklin Career Center
Kanawha	Carver Career Center
Lincoln	Lincoln County High School
Logan	Ralph R Willis Career/Technical Center
Marion	Marion County Technical Center
Marshall	John Marshall High School
Mason	Mason County Career Center

County	School
McDowell	McDowell Career & Technology Center
Mercer	Mercer County Technical Education Center
Mineral	Mineral County Technical Center
Mingo	Mingo Central Comprehensive High School
Mingo	Tug Valley High School
Monongalia	Morgantown High School
Monongalia	University High School
Monroe	James Monroe High School
Nicholas	Nicholas County Career and Technical Center
Pleasants	Mid-Ohio Valley Technical Institute
Preston	Preston High School
Putnam	Putnam Career & Technical Center
Raleigh	Academy of Careers and Technology
Randolph	Randolph Technical Center
Summers	6-12 Summers County Comprehensive HS
Taylor	Grafton High School
Tucker	Tucker County High School
Upshur	Fred W Eberle Tech Center
Wayne	Spring Valley High School
Wayne	Tolsia High School
Wayne	Wayne High School
Webster	Webster County High School
Wood	Wood County Vocational Technical Center
Wyoming	Wyoming County Career & Technical Center

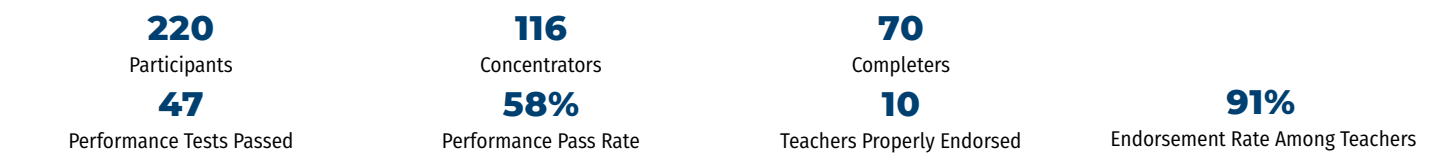
Health Science Cluster

HE0780 - Biomedical Science



The Biomedical Science program allows students to investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Students engage in activities like investigating the death of a fictional person to learn content in the context of real-world cases. They examine the structures and interactions of human body systems and explore the prevention, diagnosis, and treatment of disease, all while working collaboratively to understand and design solutions to the most pressing health challenges of today and the future.

Performance Indicators



Schools Offering Biomedical Science

County	School
Brooke	Brooke High School
Kanawha	Nitro High School
Marshall	John Marshall High School
Monroe	James Monroe High School
Putnam	Buffalo High School
Putnam	Poca High School
Wayne	Wayne High School

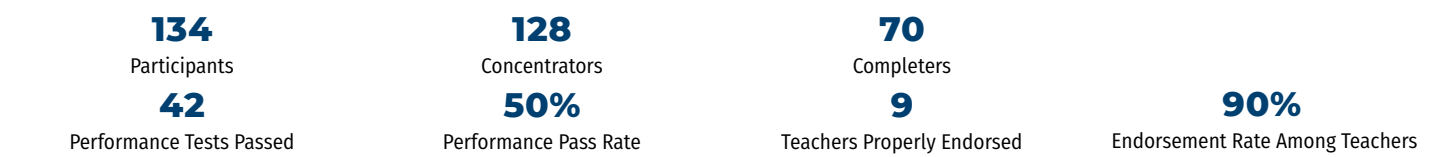
Health Science Cluster

HE0800 – Sports Medicine



The Sports Medicine program equips students for dynamic and rewarding careers in sports medicine. This comprehensive program provides an in-depth exploration of sports medicine principles, encompassing injury prevention, assessment, treatment, and rehabilitation. Through a blend of theoretical knowledge and practical application, students will develop the skills necessary to excel in various sports medicine professions.

Performance Indicators



Schools Offering Sports Medicine

County	School
Cabell	Cabell Midland High School
Cabell	Huntington High School
Jackson	Ripley High School
Kanawha	Carver Career Center
Mason	Mason County Career Center
Tyler	Tyler Consolidated High School
Upshur	Fred W Eberle Tech Center
Wayne	Spring Valley High School
Wood	Caperton Center for Applied Technology

Health Science Cluster

HE1010 - Advanced Medical Preparedness



The Advanced Medical Preparedness program is designed for students planning to pursue a healthcare degree in college. This comprehensive program focuses on the universal fundamentals of healthcare, providing a solid foundation for future academic and professional success in the medical field. Students will gain in-depth knowledge and essential skills through a series of specialized courses, preparing them for the rigors of higher education and the demands of healthcare professions.

Performance Indicators

1,652

Participants

332

Performance Tests Passed

1,155

Concentrators

98%

Performance Pass Rate

359

Completers

128

Teachers Properly Endorsed

91%

Endorsement Rate Among Teachers

Schools Offering Advanced Medical Preparedness

County	School
Barbour	Philip Barbour High School Complex
Jackson	Ripley High School
Kanawha	Ben Franklin Career Center
Kanawha	Carver Career Center
Logan	Ralph R Willis Career/Technical Center
Mason	Mason County Career Center
McDowell	McDowell Career and Technology Center
Mineral	Mineral County Technical Center
Monongalia	Monongalia Technical Education Center
Nicholas	Nicholas County Career and Technical Center
Pleasants	Mid-Ohio Valley Technical Institute
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Virtual	Virtual Preparatory Academy of West Virginia
Wetzel	Wetzel County Technical Education Center

Hospitality and Tourism Cluster

HO1010 - ProStart Restaurant Management



ProStart is a nationwide high school program developed by the National Restaurant Association Educational Foundation (NRAEF) that provides students with comprehensive training in culinary arts and restaurant management. Students learn essential skills such as knife techniques, food safety protocols, menu planning, and kitchen management through hands-on experience and classroom instruction. The program also emphasizes teamwork, customer service, and the opportunity to earn industry-recognized certifications, preparing students for successful careers in the hospitality industry.

Performance Indicators

908 Participants	556 Concentrators	399 Completers	
313 Performance Tests Passed	77% Performance Pass Rate	51 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering ProStart Restaurant Management

County	School	County	School	County	School
Barbour	Philip Barbour High School Complex	Kanawha	Saint Albans High School	Putnam	Putnam Career and Technical Center
Berkeley	James Rumsey Technical Institute	Logan	Ralph R Willis Career/Technical Center	Raleigh	Academy of Careers and Technology
Boone	Boone Career and Technical Center	Marion	Marion County Technical Center	Randolph	Randolph Technical Center
Cabell	Cabell Midland High School	Marshall	John Marshall High School	Summers	6-12 Summers County Comprehensive HS
Cabell	Huntington High School	Mason	Mason County Career Center	Taylor	Grafton High School
Calhoun	Calhoun-Gilmer Career Center	McDowell	McDowell Career and Technology Center	Tucker	Tucker County High School
Doddridge	Doddridge County High School	Mercer	Mercer County Technical Education Center	Upshur	Buckhannon Upshur High School
Fayette	Fayette Institute of Technology	Mineral	Mineral County Technical Center	Wayne	Spring Valley High School
Greenbrier	Greenbrier East High School	Mingo	Mingo Central Comprehensive High School	Wayne	Tolsia High School
Greenbrier	Greenbrier West High School	Mingo	Tug Valley High School	Wetzel	Wetzel County Technical Education Center
Hampshire	Hampshire Senior High School	Monongalia	Monongalia Technical Education Center	Wood	Wood County Vocational Technical Center
Hancock	John D. Rockefeller Career Center	Nicholas	Nicholas County Career and Technical Center	Wyoming	Wyoming County Career and Technical Center
Hardy	East Hardy High School	Ohio	Wheeling Park High School		
Jackson	Roane-Jackson Technical Center	Pocahontas	Pocahontas County High School		
Jefferson	Jefferson High School	Preston	Preston High School		
Kanawha	Carver Career Center				

Hospitality and Tourism Cluster

H01015 - Baking and Pastry



The Baking and Pastry program gives high school students hands-on training in essential skills needed for a career in the baking and pastry industry. Students will learn about kitchen safety and sanitation, how to analyze ingredients, and master fundamental baking techniques. They will gain experience in making a variety of breads, decorating cakes, developing original recipes, and merchandising baked goods. This program provides a practical, real-world education that prepares students for immediate entry into the industry or postsecondary culinary education.

Performance Indicators

960

Participants

241

Performance Tests Passed

734

Concentrators

68%

Performance Pass Rate

326

Completers

47

Teachers Properly Endorsed

96%

Endorsement Rate Among Teachers

Schools Offering Baking and Pastry

County	School
Berkeley	Hedgesville High School
Berkeley	Martinsburg High School
Berkeley	Musselman High School
Berkeley	Spring Mills High School
Cabell	Huntington High School
Calhoun	Calhoun-Gilmer Career Center
Clay	Clay County High School
Doddridge	Doddridge County High School
Hancock	John D. Rockefeller Career Center
Hardy	Moorefield High School
Harrison	Robert C Byrd High School
Harrison	South Harrison High School
Jefferson	Washington High School
Kanawha	Carver Career Center
Kanawha	Saint Albans High School
Lewis	Lewis County High School
McDowell	McDowell Career and Technology Center

County	School
Mercer	Mercer County Technical Education Center
Mingo	Tug Valley High School
Monongalia	Clay-Battelle High School
Monongalia	Monongalia Technical Education Center
Monongalia	Morgantown High School
Monongalia	University High School
Pocahontas	Pocahontas County High School
Putnam	Putnam Career and Technical Center
Raleigh	Shady Spring High
Raleigh	Woodrow Wilson High School
Taylor	Grafton High School
Tyler	Tyler Consolidated High School
Wetzel	Wetzel County Technical Education Center
Wood	Parkersburg High School
Wood	Parkersburg South High School
Wood	Williamstown High School
Wyoming	Wyoming County Career and Technical Center

Hospitality and Tourism Cluster

HO1220 - Tourism



The Tourism program introduces students to the dynamic world of travel, hospitality, and tourism management. Students explore key areas such as customer service, marketing, event planning, cultural awareness, and destination promotion. Through hands-on experiences and industry-based projects, students gain the skills needed for careers in travel agencies, hotels, resorts, tourism boards, and event management. The program also prepares students for further education in hospitality and tourism-related fields.

Performance Indicators

593

Participants

46

Performance Tests Passed

280

Concentrators

82%

Performance Pass Rate

100

Completers

55

Teachers Properly Endorsed

89%

Endorsement Rate Among Teachers

Schools Offering Tourism

County	School
Berkeley	Hedgesville High School
Berkeley	Martinsburg High School
Berkeley	Musselman High School
Berkeley	Spring Mills High School
Grant	South Branch Vocational School
Hampshire	Hampshire Senior High School
Hardy	Moorefield High School
Jefferson	Washington High School
Kanawha	South Charleston High School
Logan	Ralph R Willis Career/Technical Center
Mercer	Mercer County Technical Education Center
Tucker	Tucker County High School
Webster	Webster County High School

Human Services Cluster

HU1038 - Sign-Language Translator



The Sign Language Translator program prepares students to communicate effectively using American Sign Language (ASL) and to support individuals who are Deaf or hard of hearing. Students develop fluency in ASL, learn about Deaf culture, and explore the fundamentals of interpretation and translation. The program emphasizes ethical standards, communication accuracy, and cultural competence. Graduates are prepared for further education or careers in interpreting, education, social services, and other fields that serve the Deaf community.

Performance Indicators

377 Participants	235 Concentrators	5 Completers	
2 Performance Tests Passed	40% Performance Pass Rate	78 Teachers Properly Endorsed	95% Endorsement Rate Among Teachers

Schools Offering Sign-Language Translator

County	School
Greenbrier	Greenbrier West High School
Hampshire	Hampshire Senior High School

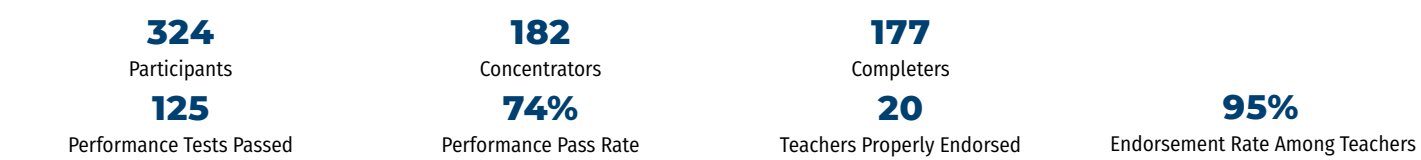
Human Services Cluster

HU2311 - Pre-Cosmetology



The Pre-Cosmetology program, regulated by the West Virginia Board of Barbers and Cosmetology, trains students in beauty treatments like hair styling, cutting, coloring, skincare, makeup application, manicuring, and nail enhancements. It offers specialized tracks in Aesthetics, Nail Technology, and Hair Styling, blending theoretical learning with practical skills. Students gain essential knowledge in sanitation, customer service, and business management, preparing them for careers in salons, spas, and related industries. Upon successful completion, students qualify to take the licensing exams in their chosen specialization.

Performance Indicators



Schools Offering Pre-Cosmetology

County	School
Boone	Boone Career and Technical Center
Braxton	Braxton County High School
Cabell	Cabell County Career Technology Center
Grant	South Branch Vocational School
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Kanawha	Carver Career Center
Mercer	Mercer County Technical Education Center
Upshur	Fred W Eberle Tech Center
Wood	Wood County Vocational Technical Center
Wyoming	Wyoming County Career and Technical Center

Human Services Cluster

HU2330 - Social Services



The Social Services program offers an exploration of careers in the social services field, including required educational pathways. Students will learn about human behavior and development, mental health, family support systems, state laws and policies, ethical codes, and professional organizations. Through this program, students gain a comprehensive understanding of the social services landscape, complemented by hands-on experience through internships and job shadowing opportunities. This program prepares students for further education and careers dedicated to helping individuals and communities.

Performance Indicators

740 Participants	131 Concentrators	1 Completers	
1 Performance Tests Passed	100% Performance Pass Rate	72 Teachers Properly Endorsed	87% Endorsement Rate Among Teachers

Schools Offering Social Services

County	School
Jefferson	Jefferson High School
Jefferson	Washington High School
Raleigh	Liberty High School
Raleigh	Shady Spring High

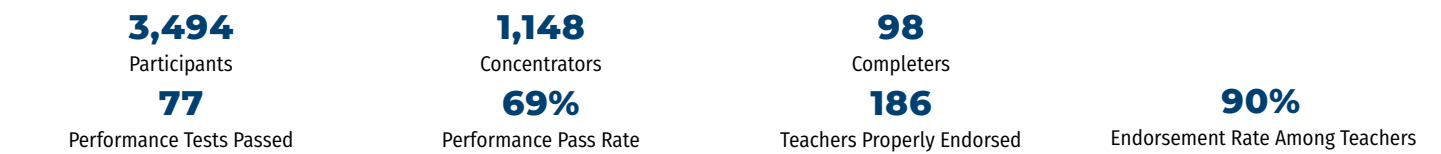
Information Technology Cluster

IT1450 - Information Management



The Information Management program equips students with the knowledge and skills to effectively manage and utilize information within organizations. Through a blend of theoretical concepts and practical applications, students will learn about information systems, database management, data analysis, and information security. Key topics include information governance, data modeling, business intelligence, and emerging technologies in information management. Emphasis is placed on understanding the role of information in decision-making processes, optimizing information workflows, and ensuring data integrity and confidentiality. This program prepares students for careers as information managers, database administrators, data analysts, and information technology consultants, providing them with the expertise to support organizational efficiency and innovation through effective information management practices.

Performance Indicators



Schools Offering Information Management

County	School
Calhoun	Calhoun-Gilmer Career Center
Kanawha	George Washington High School
Kanawha	Saint Albans High School
Logan	Ralph R Willis Career/Technical Center
Monongalia	Monongalia Technical Education Center
Preston	Preston High School
Raleigh	Independence High School
Raleigh	Woodrow Wilson High School
Virtual	Virtual Preparatory Academy of West Virginia
Wood	Parkersburg South High School

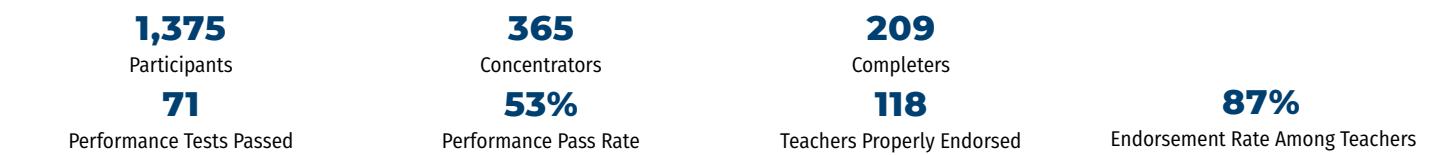
Information Technology Cluster

IT1470 - Coding, AI, and Game Design



The Coding, AI, and Game Design program equips students with the foundational and advanced skills needed to thrive in the evolving world of technology and innovation. Through hands-on, project-based learning, students explore computer programming, artificial intelligence, and game development. The curriculum includes instruction in multiple coding languages, algorithm design, machine learning principles, user experience, and interactive media. Students will also gain experience with industry-standard tools and platforms, preparing them for further education or entry-level careers in software development, AI systems, and game design. Critical thinking, collaboration, and ethical technology use are emphasized throughout the program.

Performance Indicators



Schools Offering Coding, AI, and Game Design

County	School
Jefferson	Washington High School
Kanawha	George Washington High School
Kanawha	Sissonville High School
Logan	Ralph R Willis Career/Technical Center
Marshall	John Marshall High School
McDowell	McDowell Career and Technology Center
Pleasants	Mid-Ohio Valley Technical Institute
Raleigh	Academy of Careers and Technology
Upshur	Buckhannon Upshur High School
Wood	Parkersburg High School
Wood	Parkersburg South High School

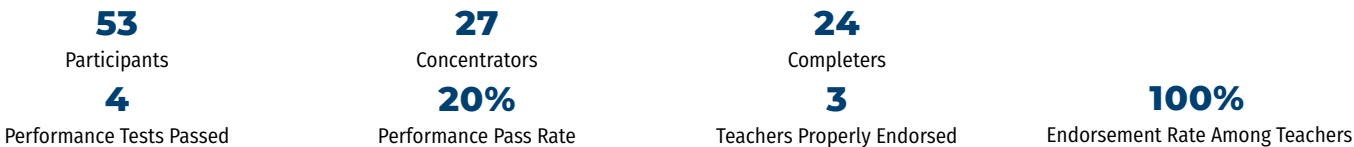
Information Technology Cluster

IT1640 - CISCO Networking Academies



The CISCO Networking Academies program offers comprehensive training in networking technologies and prepares students for industry recognized CISCO certifications. Through a combination of theoretical learning and hands-on labs, students will gain proficiency in network design, installation, configuration, and troubleshooting. Key topics include TCP/IP protocols, LAN/WAN technologies, routing and switching, network security, and wireless networking. Emphasis is placed on practical skills development using CISCO networking equipment and simulation tools. This program equips students with the knowledge and expertise needed to design, manage, and secure networks in various industries. Graduates are prepared for careers as network administrators, system engineers, and network security specialists, ensuring they are well-equipped to meet the demands of the evolving field of networking technology.

Performance Indicators



Schools Offering CISCO Networking Academies

County	School
Berkeley	James Rumsey Technical Institute
Preston	Preston High School

Information Technology Cluster

IT1680 - Computer Systems Repair Technology



The Computer Systems Repair Technology program equips students with the essential skills and knowledge required to diagnose, repair, and maintain computer hardware and software systems. Through a blend of theoretical instruction and practical, hands-on training, students will learn to troubleshoot and resolve issues with various computer components, including motherboards, processors, memory, storage devices, and peripherals. The course also covers operating system installation and configuration, virus and malware removal, and basic networking. Emphasis is placed on developing problem-solving skills and understanding industry-standard tools and techniques.

Performance Indicators

245 Participants	172 Concentrators	128 Completers	
49 Performance Tests Passed	37% Performance Pass Rate	25 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering Computer Systems Repair Technology

County	School
Calhoun	Calhoun-Gilmer Career Center
Fayette	Fayette Institute of Technology
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Kanawha	Ben Franklin Career Center
Lincoln	Lincoln County High School
Marshall	John Marshall High School
Mercer	Mercer County Technical Education Center
Mineral	Mineral County Technical Center
Nicholas	Nicholas County Career and Technical Center
Ohio	Wheeling Park High School
Pleasants	Mid-Ohio Valley Technical Institute
Raleigh	Academy of Careers and Technology
Upshur	Fred W Eberle Tech Center
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Upshur	Fred W. Eberle Technical Center

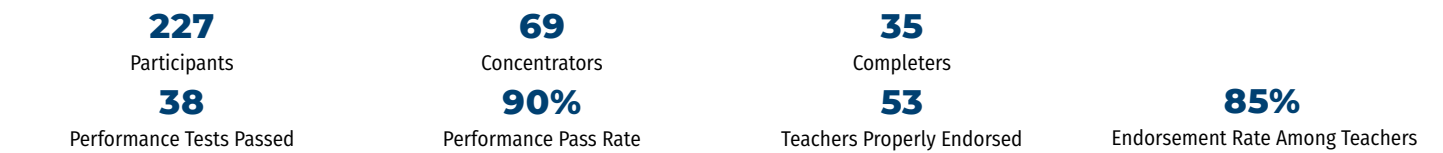
Information Technology Cluster

IT2215 – Computer Science



The Computer Science program provides a comprehensive foundation in the principles and practices of computing. Students will explore key areas including algorithms, data structures, programming languages, software engineering, and computer systems architecture. Through hands-on projects, coding assignments, and theoretical study, students will develop problem-solving skills, logical reasoning, and proficiency in programming. The program covers topics such as database management, artificial intelligence, cybersecurity, and web development, preparing students for diverse career opportunities in technology.

Performance Indicators



Schools Offering Computer Science

County	School
Berkeley	Hedgesville High School
Brooke	Brooke High School
Jackson	Ripley High School
Kanawha	George Washington High School
Kanawha	Herbert Hoover High School
Kanawha	Nitro High School
Kanawha	Riverside High School
Kanawha	Sissonville High School
Marshall	John Marshall High School
Pocahontas	Pocahontas County High School
Putnam	Putnam Career and Technical Center
Wood	Caperton Center for Applied Technology

Law, Public Safety, Corrections and Security Cluster

LA1020 - Law and Public Safety



The Law and Public Safety program focuses on methods used by public safety leaders to protect a democratic society. The history and organization of the criminal justice system and issues relating to the administration and practice of law and public safety in a culturally diverse society are explored. Program specializations include Law Enforcement; Corrections; Strategic Security and Protection; and Courts and Legal System.

Performance Indicators

2,295

Participants

262

Performance Tests Passed

406

Concentrators

84%

Performance Pass Rate

308

Completers

175

Teachers Properly Endorsed

86%

Endorsement Rate Among Teachers

Schools Offering Law and Public Safety

County	School
Berkeley	James Rumsey Technical Institute
Braxton	Braxton County High School
Cabell	Cabell County Career Technology Center
Calhoun	Calhoun-Gilmer Career Center
Fayette	Fayette Institute of Technology
Grant	South Branch Vocational School
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Kanawha	Ben Franklin Career Center
Lewis	Lewis County High School
Lincoln	Lincoln County High School
Logan	Ralph R Willis Career/Technical Center
Marion	Marion County Technical Center
McDowell	McDowell Career and Technology Center

County	School
Mercer	Mercer County Technical Education Center
Mineral	Mineral County Technical Center
Mingo	Mingo Central Comprehensive High School
Monongalia	Monongalia Technical Education Center
Monroe	James Monroe High School
Nicholas	Nicholas County Career and Technical Center
Pleasants	Mid-Ohio Valley Technical Institute
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Randolph	Randolph Technical Center
Wayne	Wayne High School
Wood	Caperton Center for Applied Technology
Wyoming	Wyoming County Career and Technical Center

Law, Public Safety, Corrections and Security Cluster

LA2200 - Emergency and Firefighting Management Services



The Emergency and Firefighting Management Services program is designed for students interested in pursuing careers in firefighting, emergency medical services (EMS), and industrial incident management. This program provides comprehensive training in emergency response techniques, fire suppression, medical care, and incident management. Students will gain hands-on experience, technical skills, and industry certifications, preparing them for immediate entry into the workforce or further education in emergency services.

Performance Indicators

153 Participants	100 Concentrators	55 Completers	
47 Performance Tests Passed	85% Performance Pass Rate	10 Teachers Properly Endorsed	91% Endorsement Rate Among Teachers

Schools Offering Emergency and Firefighting Management Services

County	School
Berkeley	James Rumsey Technical Institute
Kanawha	Carver Career Center
Mineral	Mineral County Technical Center
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Wood	Caperton Center for Applied Technology

Manufacturing Cluster

MA1601 - Aviation Maintenance Technician



The Aviation Maintenance Technician program prepares students for careers in aircraft maintenance and repair. This program provides training on the inspection, repair, and maintenance of aircraft systems and components, ensuring they meet safety and performance standards. Students will gain hands-on experience with aircraft engines, avionics, hydraulics, and other critical systems.

Performance Indicators

30 Participants	23 Concentrators	6 Completers	
2 Performance Tests Passed	33% Performance Pass Rate	1 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering Aviation Maintenance Technician

County	School
Wayne	Spring Valley High School

Manufacturing Cluster

MA1630 – Robotics



The Robotics program equips students with comprehensive knowledge and skills in robotics, encompassing foundational concepts and advanced engineering principles. The curriculum includes hands-on activities and problem-solving tasks, beginning with introductory courses that focus on VEX programming and progressing to more advanced topics like building and programming complex robots. Students engage in experiments that demonstrate physics and mechanical properties, integrate sensors and mechanisms, and apply real-world learning through capstone projects. The program also offers courses in drone technology, covering essential knowledge for safe UAS deployment and FAA Part 107 compliance. Through a blend of theoretical and practical learning, the Robotics program prepares students for successful careers in the evolving fields of robotics and unmanned aerial systems.

Performance Indicators

263 Participants	140 Concentrators	53 Completers	
42 Performance Tests Passed	84% Performance Pass Rate	18 Teachers Properly Endorsed	69% Endorsement Rate Among Teachers

Schools Offering Robotics

County	School
Berkeley	James Rumsey Technical Institute
Harrison	United Technical Center
Jackson	Ravenswood High School
Jackson	Ripley High School
Jackson	Roane-Jackson Technical Center
Kanawha	Capital High School
Kanawha	Carver Career Center
Kanawha	George Washington High School
Kanawha	Herbert Hoover High School
Kanawha	Nitro High School
Kanawha	Riverside High School
Kanawha	Saint Albans High School
Kanawha	Sissonville High School
Kanawha	South Charleston High School
Mercer	Mercer County Technical Education Center
Ohio	Wheeling Park High School
Randolph	Randolph Technical Center
Upshur	Fred W Eberle Tech Center
Wetzel	Wetzel County Technical Education Center

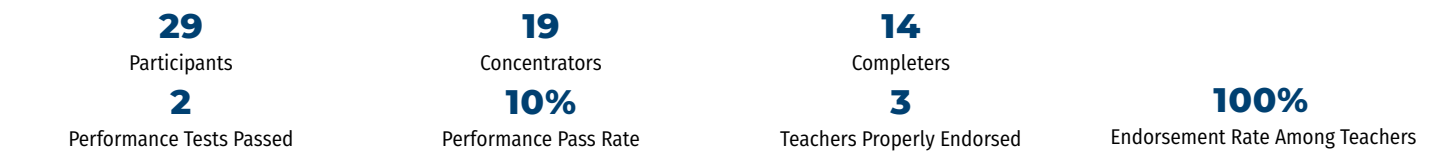
Manufacturing Cluster

MA1650 - Industrial Robotics



The Industrial Robotics program provides students with the knowledge and skills to design, program, and maintain industrial robots. This program covers various aspects of robotics, including automation, control systems, and robotic programming, preparing students for careers in advanced manufacturing and automation.

Performance Indicators



Schools Offering Industrial Robotics

County	School
Harrison	United Technical Center
Kanawha	Carver Career Center

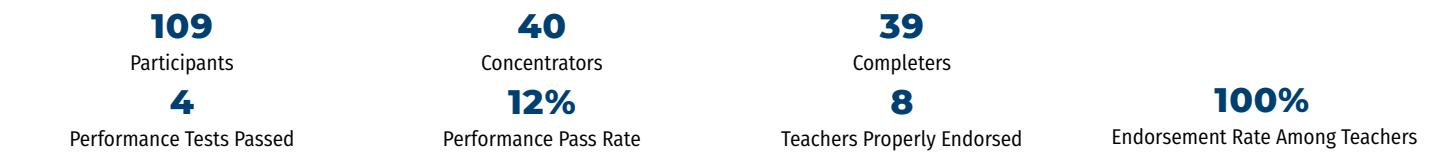
Manufacturing Cluster

MA1870 - Industrial Equipment Maintenance



The Industrial Equipment Maintenance program prepares students to maintain and repair industrial machinery and equipment. This program covers various aspects of maintenance, including mechanical, electrical, and hydraulic systems, providing students with the skills needed to ensure the efficient operation of industrial equipment.

Performance Indicators



Schools Offering Industrial Equipment Maintenance

County	School
Logan	Ralph R Willis Career/Technical Center
Pleasants	Mid-Ohio Valley Technical Institute
Randolph	Randolph Technical Center

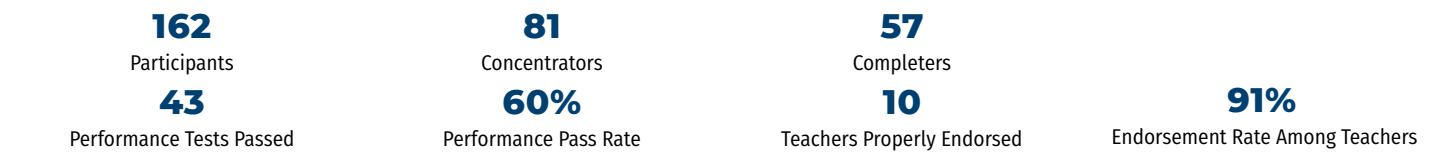
Manufacturing Cluster

MA1900 - Machine Tool Technology



The Machine Tool Technology program prepares students with the skills to operate and program various machine tools used in manufacturing. This program covers machining processes, CNC programming, and precision measurement, preparing students for careers in advanced manufacturing and precision machining.

Performance Indicators



Schools Offering Machine Tool Technology

County	School
Cabell	Cabell County Career Technology Center
Fayette	Fayette Institute of Technology
Harrison	United Technical Center
Kanawha	Ben Franklin Career Center
Marshall	John Marshall High School
Mason	Mason County Career Center
Mercer	Mercer County Technical Education Center
Ohio	Wheeling Park High School

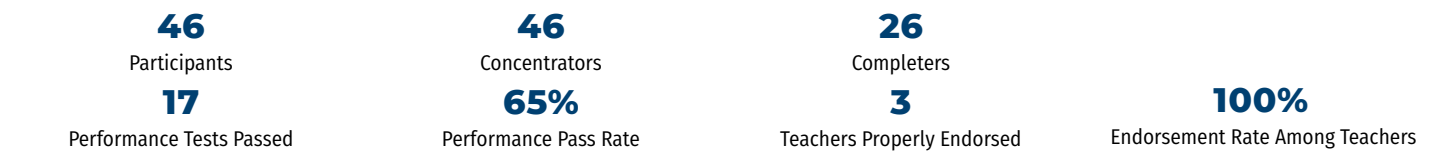
Manufacturing Cluster

MA1910 - Manufacturing: Production and Design



The Manufacturing Production and Design program prepares students for careers in modern manufacturing through hands-on learning and technical instruction. Students will explore the full production cycle—from design and prototyping to fabrication and quality control—using advanced manufacturing technologies such as CAD software, CNC machines, 3D printing, and robotics. The program emphasizes precision, efficiency, and problem-solving while helping students develop essential skills in blueprint reading, safety, and teamwork. Graduates will be equipped with the knowledge and credentials needed to pursue postsecondary education, apprenticeships, or enter the workforce in roles such as production technician, industrial designer, or manufacturing engineer.

Performance Indicators



Schools Offering Manufacturing: Production and Design

County	School
Mason	Mason County Career Center
Mercer	Mercer County Technical Education Center

Manufacturing Cluster

MA1980 – Welding



The Welding program prepares students for careers in various welding and metal fabrication industries. This program offers comprehensive training in multiple welding processes, including shield metal arc welding (SMAW), gas metal arc welding (GMAW), gas tungsten arc welding (GTAW), and flux-cored arc welding (FCAW). Students will develop skills in welding techniques, safety practices, blueprint reading, and metal fabrication, preparing them for industry certifications and entry-level positions.

Performance Indicators

1,220

Participants

339

Performance Tests Passed

756

Concentrators

55%

Performance Pass Rate

585

Completers

42

Teachers Properly Endorsed

98%

Endorsement Rate Among Teachers

Schools Offering Welding

County	School
Berkeley	James Rumsey Technical Institute
Boone	Boone Career and Technical Center
Braxton	Braxton County High School
Brooke	Brooke High School
Cabell	Cabell County Career Technology Center
Calhoun	Calhoun-Gilmer Career Center
Clay	Clay County High School
Fayette	Fayette Institute of Technology
Grant	South Branch Vocational School
Greenbrier	Greenbrier West High School
Hancock	John D. Rockefeller Career Center
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Kanawha	Carver Career Center
Lincoln	Lincoln County High School

County	School
Logan	Ralph R Willis Career/Technical Center
Marion	Marion County Technical Center
Marshall	John Marshall High School
Mason	Mason County Career Center
McDowell	McDowell Career and Technology Center
Mercer	Mercer County Technical Education Center
Mineral	Mineral County Technical Center
Mingo	Mingo Central Comprehensive High School
Monongalia	Monongalia Technical Education Center
Monroe	James Monroe High School
Nicholas	Nicholas County Career and Technical Center
Ohio	Wheeling Park High School

County	School
Pleasants	Mid-Ohio Valley Technical Institute
Pocahontas	Pocahontas County High School
Preston	Preston High School
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Taylor	Grafton High School
Upshur	Fred W Eberle Tech Center
Wayne	Spring Valley High School
Wayne	Tolsia High School
Wayne	Wayne High School
Webster	Webster County High School
Wetzel	Wetzel County Technical Education Center
Wirt	Wirt County High School
Wood	Wood County Technical Center
Wyoming	Wyoming County Career and Technical Center

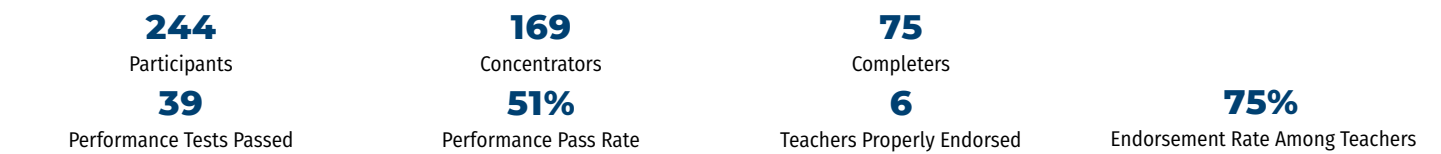
Manufacturing Cluster

MA2120 - Millwork and Cabinetmaking



The Millwork and Cabinetmaking program provides students with foundational knowledge and technical skills required by the millwork and cabinetmaking industry. The program explores various mathematical practices necessary for construction, handling of various tools, understanding construction drawings, and assembling projects. Students study skills to construct joints, sanding and finishing techniques, and how to work in larger scale manufacturing environments. Students engage in real-world learning opportunities, developing their problem-solving abilities, and fine tuning their technical skills in millwork and cabinetmaking.

Performance Indicators



Schools Offering Millwork and Cabinetmaking

County	School
Berkeley	Hedgesville High School
Berkeley	Martinsburg High School
Berkeley	Musselman High School
Berkeley	Spring Mills High School
Jackson	Ravenswood High School
Jackson	Ripley High School
Kanawha	Herbert Hoover High School
Randolph	Randolph Technical Center
Randolph	Randolph Technical Center

Marketing Cluster

MK0420 - Marketing Management



The Marketing Management program prepares students for diverse marketing roles. Beginning with advertising, promotion, communication techniques, and market planning strategies, students gain practical insights through engaging projects. They explore essential marketing concepts including product/service management, brand enhancement, ROI analysis, and strategic market planning with a focus on retail marketing and corporate branding. The program emphasizes cross-media marketing strategies across traditional, digital, and emerging platforms, integrating messaging and branding for cohesive campaigns. Practical experience is provided through internships or simulated work experiences, enabling students to apply their skills in real-world marketing tasks and projects, enhancing their professional development and readiness for today's competitive business and marketing environment.

Performance Indicators

1,749

Participants

84

Performance Tests Passed

637

Concentrators

83%

Performance Pass Rate

93

Completers

181

Teachers Properly Endorsed

90%

Endorsement Rate Among Teachers

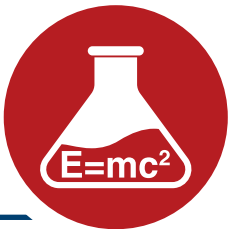
Schools Offering Marketing Management

County	School
Berkeley	Hedgesville High School
Berkeley	Martinsburg High School
Berkeley	Musselman High School
Berkeley	Spring Mills High School
Brooke	Brooke High School
Clay	Clay County High School
Greenbrier	Greenbrier East High School
Hampshire	Hampshire Senior High School
Jefferson	Washington High School
Kanawha	Carver Career Center
Kanawha	George Washington High School

County	School
Kanawha	Herbert Hoover High School
Kanawha	Nitro High School
Lincoln	Lincoln County High School
Marion	Marion County Technical Center
Marshall	John Marshall High School
Mercer	Mercer County Technical Education Center
Mineral	Mineral County Technical Center
Monongalia	University High School
Ohio	Wheeling Park High School

Science, Technology, Engineering and Mathematics Cluster

ST2175 - Energy and Power



The Energy and Power program prepares students for careers in the ever-changing energy sector, focusing on the generation, distribution, and management of energy. The curriculum is designed to provide a comprehensive understanding of both traditional and renewable energy sources, energy technologies, and sustainable practices. Students will explore energy systems, advanced energy technologies, energy management, and practical applications through project-based learning.

Performance Indicators

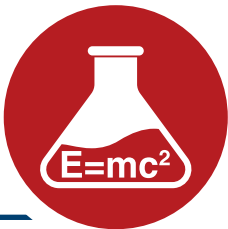


Schools Offering Energy and Power

County	School
Calhoun	Calhoun Middle/High School
Fayette	Fayette Institute of Technology
Fayette	Midland Trail High

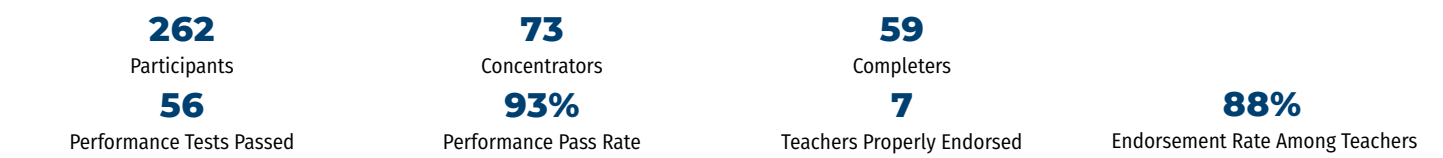
Science, Technology, Engineering and Mathematics Cluster

ST2200 - Aerospace Engineering



The Aerospace Engineering program is designed to be an introduction to the field of aerospace, focusing on the principles of designing, developing, and testing aircraft and spacecraft. This program is structured to provide an understanding of the scientific and engineering foundations of aerospace technology, integrating hands-on experiences and real-world applications. Students will explore the history and evolution of aerospace, fundamental and advanced aerospace systems, and engage in practical design and engineering projects.

Performance Indicators

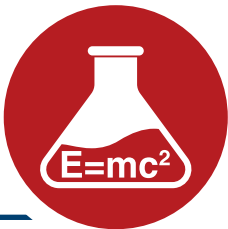


Schools Offering Aerospace Engineering

County	School
Berkeley	James Rumsey Technical Institute
Cabell	Huntington High School
Fayette	Fayette Institute of Technology
Fayette	Oak Hill High
Harrison	Bridgeport High School
Harrison	South Harrison High School
Marion	Marion County Technical Center
Mingo	Mingo Central Comprehensive High School
Putnam	Hurricane High School

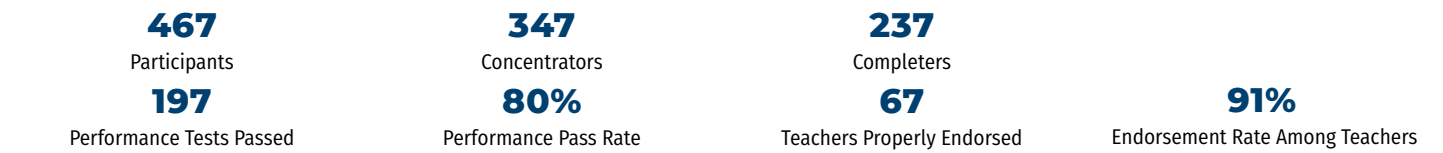
Science, Technology, Engineering and Mathematics Cluster

ST2460 – Pre-Engineering



The Pre-Engineering program prepares students for further education and careers in engineering. This program covers various engineering disciplines, including mechanical, electrical, and civil, providing students with a strong foundation in math, science, and engineering principles.

Performance Indicators



Schools Offering Pre-Engineering

County	School
Berkeley	Spring Mills High School
Doddridge	Doddridge County High School
Raleigh	Academy of Careers and Technology
Raleigh	Shady Spring High

Transportation, Distribution and Logistics Cluster

TR1620 - Automotive Technology



The Automotive Technology program provides students with a comprehensive knowledge base and technical skills relevant to the field of automotive technology. It explores various aspects of automotive repair and maintenance. Throughout the program, students engage in real-world learning experiences designed to enhance their problem-solving abilities and technical expertise while earning industry credentials.

Performance Indicators

896

Participants

175

Performance Tests Passed

537

Concentrators

42%

Performance Pass Rate

405

Completers

36

Teachers Properly Endorsed

100%

Endorsement Rate Among Teachers

Schools Offering Automotive Technology

County	School
Berkeley	James Rumsey Technical Institute
Boone	Boone Career and Technical Center
Brooke	Brooke High School
Cabell	Cabell County Career Technology Center
Calhoun	Calhoun-Gilmer Career Center
Fayette	Fayette Institute of Technology
Grant	South Branch Vocational School
Greenbrier	Greenbrier East High School
Hampshire	Hampshire Senior High School
Hancock	John D. Rockefeller Career Center
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Kanawha	Ben Franklin Career Center
Kanawha	Carver Career Center
Lincoln	Lincoln County High School
Logan	Ralph R Willis Career/Technical Center
Marion	Marion County Technical Center
Marshall	John Marshall High School

County	School
Mason	Mason County Career Center
McDowell	McDowell Career and Technology Center
Mercer	Mercer County Technical Education Center
Mineral	Mineral County Technical Center
Mingo	Mingo Central Comprehensive High School
Monongalia	Monongalia Technical Education Center
Ohio	Wheeling Park High School
Pleasants	Mid-Ohio Valley Technical Institute
Preston	Preston High School
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Randolph	Randolph Technical Center
Tucker	Tucker County High School
Upshur	Fred W Eberle Tech Center
Wayne	Spring Valley High School
Wood	Wood County Vocational Technical Center
Wyoming	Wyoming County Career and Technical Center

Transportation, Distribution and Logistics Cluster

TR1670 - Collision Repair Technology



The Collision Repair Technology program provides students with a comprehensive foundation in the technical skill and knowledge needed for the field of collision repairs. The program focuses on various areas of collision repair while emphasizing hands-on learning, problem-solving, and real-world applications. This program ensures that students develop industry-relevant skills while integrating academic knowledge, safety protocols, and technology tools.

Performance Indicators

451 Participants	283 Concentrators	209 Completers	
101 Performance Tests Passed	46% Performance Pass Rate	20 Teachers Properly Endorsed	100% Endorsement Rate Among Teachers

Schools Offering Collision Repair Technology

County	School
Brooke	Brooke High School
Cabell	Cabell County Career Technology Center
Fayette	Fayette Institute of Technology
Greenbrier	Greenbrier East High School
Hancock	John D. Rockefeller Career Center
Harrison	United Technical Center
Jackson	Roane-Jackson Technical Center
Kanawha	Carver Career Center
Logan	Ralph R Willis Career/Technical Center
Marion	Marion County Technical Center
Marshall	John Marshall High School
Mercer	Mercer County Technical Education Center
Ohio	Wheeling Park High School
Preston	Preston High School
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Randolph	Randolph Technical Center
Tucker	Tucker County High School
Upshur	Fred W Eberle Tech Center
Wood	Wood County Vocational Technical Center

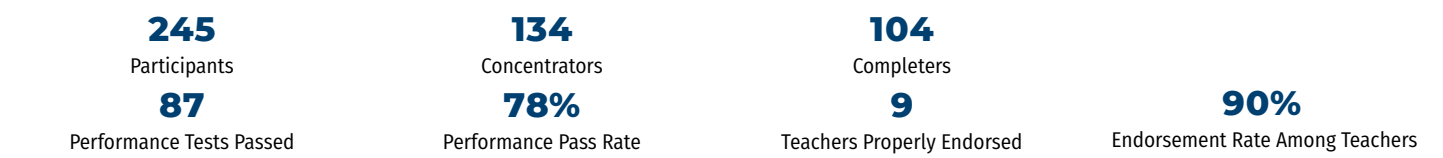
Transportation, Distribution and Logistics Cluster

TR1740 - Diesel Equipment Technology



The Diesel Equipment Technology program provides students with essential knowledge and technical skills in diesel mechanics. Students will study diesel engine components including their primary functions, electronic controls, and procedures for service, inspection and assembly. They will also examine the key diesel support systems such as lubrication, cooling, air intake, exhaust, starting and charging systems, engine retarders, and fuel systems. Students will explore these topics through hands-on learning while focusing on workplace readiness skills in the diesel technology industry.

Performance Indicators



Schools Offering Diesel Equipment Technology

County	School
Berkeley	James Rumsey Technical Institute
Doddridge	Doddridge County High School
Hancock	John D. Rockefeller Career Center
Kanawha	Ben Franklin Career Center
Pleasants	Mid-Ohio Valley Technical Institute
Preston	Preston High School
Putnam	Putnam Career and Technical Center
Raleigh	Academy of Careers and Technology
Upshur	Fred W Eberle Tech Center
Wyoming	Wyoming County Career and Technical Center

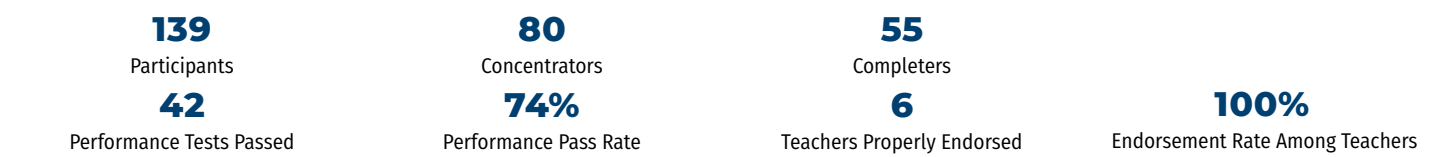
Transportation, Distribution and Logistics Cluster

TR1960 - Power Equipment Systems



The Power Equipment Systems program focuses on building the knowledge base and technical skills necessary for success in all aspects of the Power Equipment Systems industry. Students will have the opportunity to acquire hours toward Equipment and Engine Training Counsel (EETC), Small Engine Certifications.

Performance Indicators



Schools Offering Power Equipment Systems

County	School
Boone	Boone Career and Technical Center
Harrison	United Technical Center
Kanawha	Ben Franklin Career Center
Nicholas	Nicholas County Career and Technical Center
Ohio	Wheeling Park High School
Randolph	Randolph Technical Center



Michele L. Blatt
West Virginia Superintendent of Schools

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