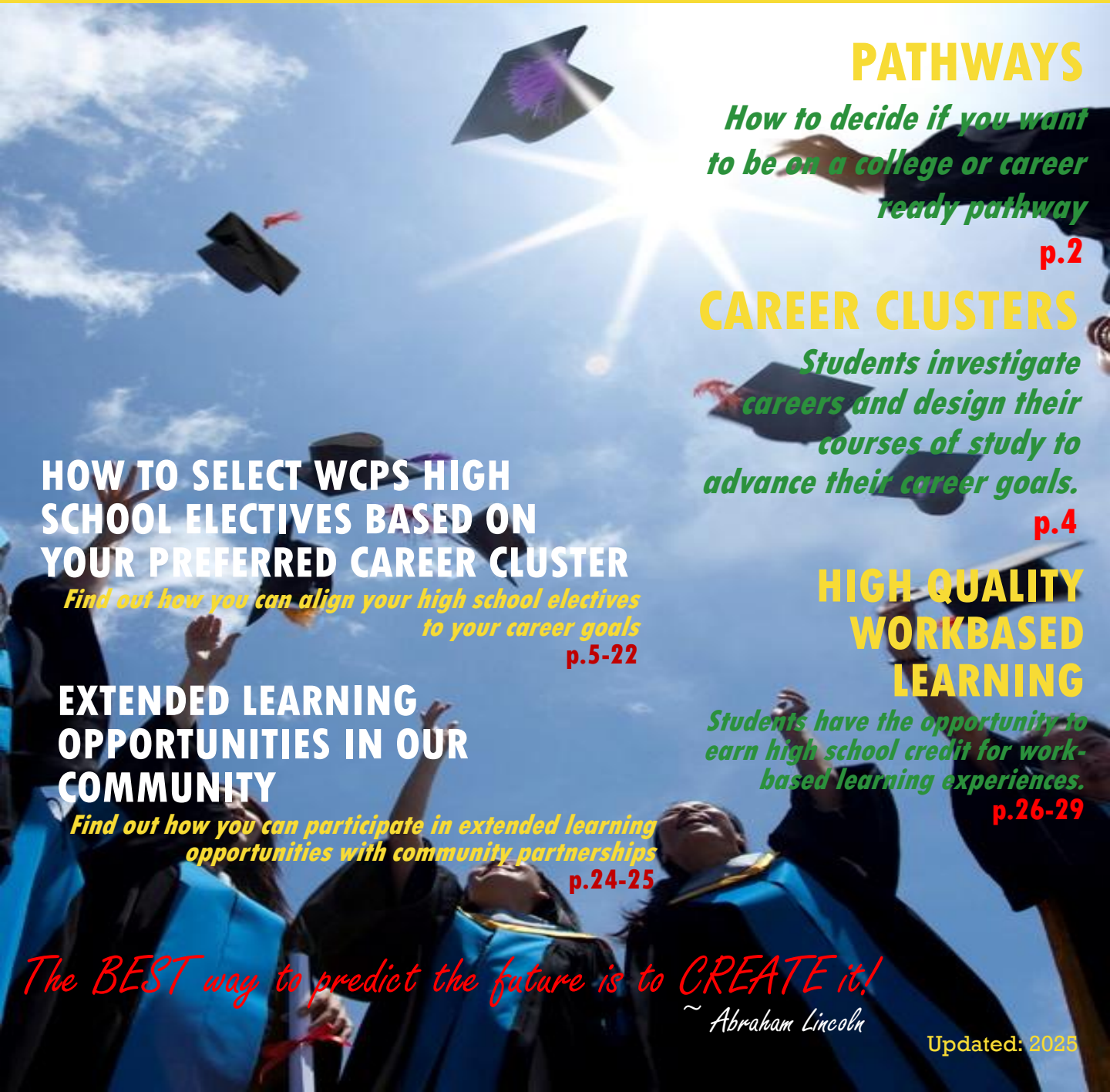
WYTHE COUNTY PUBLIC SCHOOLS

COLLEGE & CAREER PATHWAY PLANNER



PATHWAYS

How to decide if you want to be on a college or career ready pathway

p.2

CAREER CLUSTERS

Students investigate careers and design their courses of study to advance their career goals.

p.4

HOW TO SELECT WCPS HIGH SCHOOL ELECTIVES BASED ON YOUR PREFERRED CAREER CLUSTER

Find out how you can align your high school electives to your career goals

p.5-22

HIGH QUALITY WORKBASED LEARNING

Students have the opportunity to earn high school credit for work-based learning experiences.

p.26-29

EXTENDED LEARNING OPPORTUNITIES IN OUR COMMUNITY

Find out how you can participate in extended learning opportunities with community partnerships

p.24-25

The BEST way to predict the future is to CREATE it!

~ Abraham Lincoln

Updated: 2025

W C P S Pathways

Purpose Driven Curriculum and Pathways Program

An essential portion of our purpose driven curriculum will be the Pathway Program. The goal of our Pathway Program is to ensure that our experience and course work has a purpose and that our curriculum prepares students to attend a four-year college, attend a two-year technical college, transition into the workplace, or acquire functional life skills. We want our students, in conjunction with their parents, to begin formulating an idea of what they want to do after high school. This program is an integral part of our purpose driven curriculum which identifies different academic pathways for our students. These informed decisions will assist students to register in the appropriate coursework and ultimately enable them to be successful in their post–secondary endeavors. The first step to success is to pick a Pathway below.

Which pathway will be your

Honors Academy
Dual Enrollment, Rigorous Curriculum, Top Academic Students, Major 4-year College plans, Governor's School, WCC Certificate or Associates Degree, WCTC, SAT/ACT preparation, College Visits, Student Leadership, Internships

Life Skills
Pre-vocational skills training, Modified Curriculum, Transition to Work, Applied Focus Towards Graduation, WCPS, WCTC, Specialized Programs, Functional Academic Setting, Gain Independent Living Skills

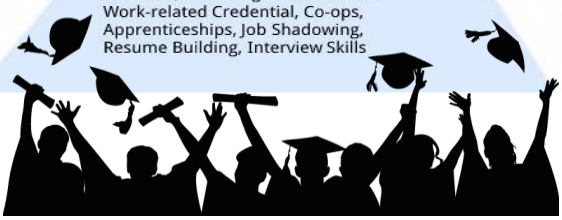
College Scholars
Dual Enrollment, Structured Curriculum, High Ability Students, 4-year College Plans, WCC, WCTC, SAT/ACT Preparation, College Visits, Student Leadership, Scholarship Preparation, Internships or Apprenticeships



Career Readiness
Obtain Certifications to Enter the Workforce Right After High School, Scheduling Priorities Given to Vocational Training, Master Soft-skills needed for success in the workplace, WCPS, WCTC, Work-release Co-op classes, Interview Skills

College Readiness
Advanced Curriculum Studies, Strong Students, 4-year College or 2-year College, WCPS, WCTC, traditional high school curriculum, SAT/ACT Preparation, Student Leadership, Scholarship Preparation, Internships or Apprenticeships

Transition to Work
Preparations Focused on Entering the Workforce Soon After High School, Scheduling Priorities Given to Skill-based Learning, WCPS, WCTC, Vocational Training Provided, Leave High School with a Work-related Credential, Co-ops, Apprenticeships, Job Shadowing, Resume Building, Interview Skills



WCPS = Wythe County Public Schools
WCC = Wytheville Community College
JVG = Jobs for VA Graduates

WCTC = Wythe County Technology Center
Co-op = Cooperative Work Experience including JVG

Honors Academy

This program will involve a small number of students, selected from all three high schools, who will demonstrate exceptional academic ability and talent. Students will enroll in dual credit classes, participate in Governor's School, Lab School or WCC Scholars Program, and will focus on STEM initiatives. Students will be challenged with a rigorous curriculum. This pathway is designed for our most advanced students.



Career Readiness

This program is designed for students who are focused on earning a certification or license for a specific vocation. Students in this pathway will be ready for work immediately after graduation. Students will enroll in classes at WCTC and WCC as appropriate. Consequently, students may opt to register in dual-enrollment vocational courses. Students are strongly encouraged to enroll in our JVG program. Release time to work may be granted while earning high school credits.

College Scholars

This program will involve students who have completed most of their high school requirements and who want to focus on gaining college credits. Students will be required to take a specific set of dual- enrollment classes that will prepare them to enter a four-year college.





Life Skills/ Graduation

This program will address students who are struggling with the traditional high school curriculum. These students will focus on functional academics which will help them gain independence, basic job skills, and daily living skills.

College Readiness

This program will involve students who plan on attending college, but who are not ready or interested in a full load of dual enrollment credits during high school. We will ensure students have all of the necessary coursework to successfully enter most two or four-year colleges. Advanced courses are strongly encouraged by the Senior year of high school.

Transition to Work

A - Students who want to transition to work with an Advanced Diploma

B - Students who want to transition to work with a Standard Diploma

This program is designed for students who possess a clear understanding of what vocation they want to engage in after high school. Students will be enrolled in JVG or Co-op work-based learning programs. We will create a partnership with various local businesses to ensure that students are ready to enter the workplace having completed the necessary training and/or obtained the prerequisite certification to begin a job soon after high school graduation.

VIRGINIA DEPARTMENT OF EDUCATION

Additional information on College & Career Readiness may be found on the VDOE website.

CLICK HERE

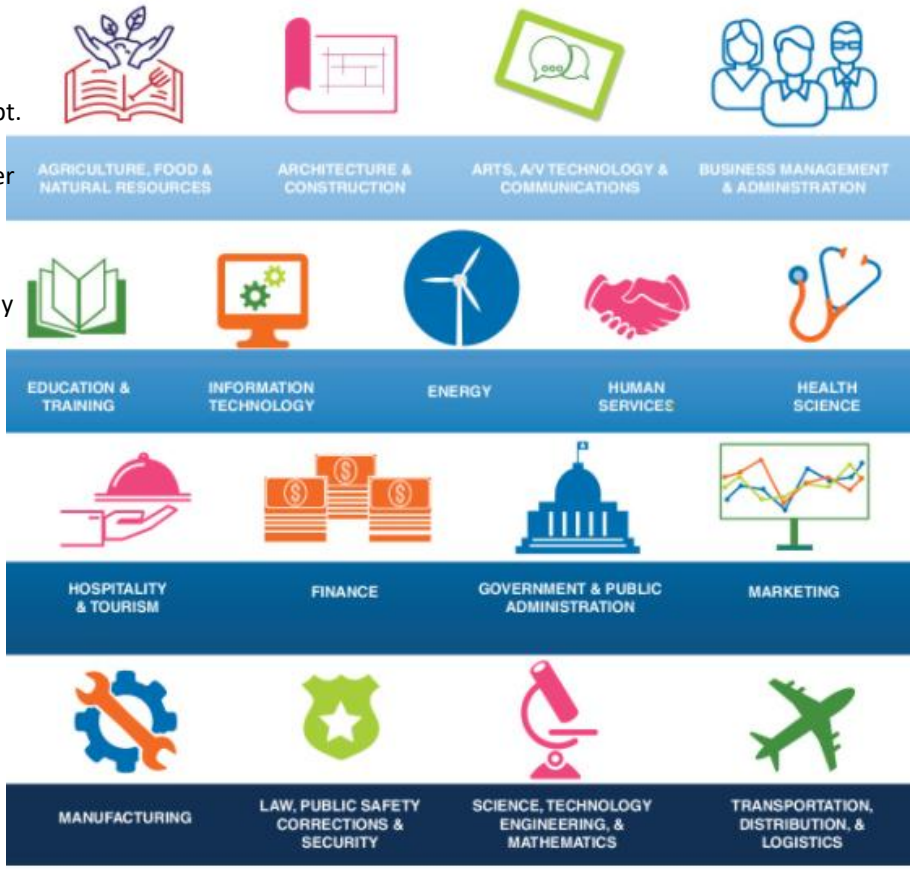


Exploring the Paths to YOUR FUTURE

Does the phrase "Your choices will affect the rest of your life" sound familiar? It's no exaggeration to say the elective choices you make in high school could pave a gratifying path to your future. As you begin to plan your academic pathway you will need to make important decisions on what training you want to receive in high school. Educational opportunities in Wythe County can prepare you for your ideal career path. Good careers don't just happen. Careful planning along with good choices and hard work will lead you to a happy and productive adult life as well. The first step on this journey is understanding what your options are and how to make your personal interests fit in the options you have in high school when it comes to coursework.

The 17 Career Clusters

To simplify this decision making process, the US Dept. of Education developed 16 Career Clusters with their own instructional focus and skill requirements clearly defined.



Since you are required to take a certain amount of credits in high school, you might as well use your time effectively to obtain the basic skills needed to put you on the path towards a productive career.

The Career Cluster framework is useful for students to help connect their required course work towards a career interest.

Within each cluster, WCPS offers numerous elective courses that correspond to a collection of educational opportunities to prepare you for your chosen career.

What classes should I take to make the most out of my time in high school?

STEP 1

Log in and take the Student Interest Inventory on MajorClarity.com to help determine what career choices are available based on what activities you enjoy, your personal qualities, and the subject you like.

STEP2

Explore the career clusters that best match your interests and talents. High School students should narrow their choices down to 2-3 career clusters they would like to explore while in High School.

✓	Career Cluster	Description
☐		The agriculture, food and natural resources cluster includes everything related to the creation of agricultural products. This includes farmers, ranchers, scientists, engineers and veterinarians.
☐		The Architecture and Construction cluster includes people who are involved in designing, building and maintaining homes, industrial facilities, streets or bridges. The roles vary from carpenter helper to safety engineers, so educational requirements vary.
☐		The Arts, A/V Technology and Communications cluster may be the best career cluster for creative people. It includes journalists, actors, dancers, singers, radio announcers and behind-the-scenes workers.
☐		The Business, Management and Administration cluster includes business analysts, accountants, HR professionals and managers, and many entry-level positions, like receptionists, secretaries and typists.
☐		The Education and Training career cluster includes teacher, tutor and instructor roles. This area also employs counselors, school psychologists and speech-language pathologists who offer support and guidance to students.
☐		Careers in the energy industry relate to extracting or harnessing power from a variety of sources, refining it and distributing it, and ensuring its safe use by consumers. With vast supplies of natural resources and ever-improving technologies, the United States is a global leader in the production of energy.
☐		The roles in the Finance cluster are auditor, financial analyst, treasurer, economist, bank worker, debt counselor or insurance professional. Many of the jobs in the Finance career cluster require a bachelor's degree or specialized certifications.
☐		The Government and Public Administration cluster includes people who help enforce the law. They're tax collectors, municipal clerks, military workers and customs brokers. This cluster also includes postal service clerks, mail carriers and aircrew members.

STEP 3

Investigate what type of education or training your selected career clusters require.



STEP 4

Decide which WCPS pathway will lead you towards your career path :

Honors Academy
College Scholars
College Readiness
Transition to Work
Career Readiness
Life Skills

STEP 5

Talk with your school counsel or about which high school core classes and electives you will need to take to better prepare you for your career aspirations.

☐	**Health Science** 	The Health Science cluster includes doctors, nurses, pharmacists, paramedics and healthcare operators. Specialized training is required for all the roles in Health Science. Nurses must attend nursing school and earn a license while doctors have more educational requirements, like earning a medical degree.
☐	**Hospitality and Tourism** 	The Hospitality and Tourism cluster includes jobs you can do in restaurants, bars, tourist attractions, resorts, hotels and travel agencies.
☐	**Human Services** 	The Human Services career cluster includes not only psychologists, social workers and child advocacy professionals but also paths like hairdresser, manicurist and cosmetologist.
☐	**Information Technology** 	The Information Technology cluster is for aspiring developers, web designers, network administrators and computer support specialists. Other careers in this cluster are computer science teachers, computer forensic professionals and information security analysts.
☐	**Law, Public Safety, Corrections and Security** 	Workers in the Law, Public Safety Corrections and Security cluster protect citizens. They're police officers, security guards, attorneys, paralegals and FBI agents. Attorneys must earn a bachelor's degree, complete three years of law school and then pass the final bar exam. A police officer must pass the Law Enforcement Entrance Exam and graduate from the Police Academy.
☐	**Manufacturing** 	The Manufacturing cluster can be great for people who enjoy working with their hands: equipment operators, millwrights, assemblers and warehouse workers. These roles usually only require on-the-job training, but there are other pathways that may require a bachelor's degree. For example, there are workers who ensure safety in the factories, while others inspect the quality of products and services.
☐	**Marketing, Sales and Service** 	The marketing career cluster includes sales and advertising, and focuses on influencing consumers' buying behavior and generating sales for products and services. Just about every type of organization, from your corner grocer to regional banks, public universities to multinational corporations, participates in marketing in some way.
☐	**Science, Technology, Engineering and Mathematics** 	This career cluster includes some of the most highly educated workers, like biologists, engineers, mathematicians, statisticians, chemists and geoscientists. All the roles require a minimum of a bachelor's degree in an appropriate field and professional engineers must also earn a state license.
☐	**Transportation, Distribution and Logistics** 	The Transportation, Distribution and Logistics cluster drive and fix vehicles or work behind the scenes to make sure that public transportation is efficient at all times. They are drivers, pilots, rail car repairers, parking lot attendants, civil engineers and transportation planners.

Use the following pages in this guidebook to see which electives your high school can offer you based on your career interests.

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Agriculture, Food and Natural Resources  **PROFESSIONAL CLUBS AND ORGANIZATIONS** FFA 4-H Science Clubs Interact Club/Service Learning Clubs *WCPS Extended Learning Program available* (See p. 24) Industrial Maintenance Manufacturing Excellence	The production, processing, marketing, distribution, financing, and development of Agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/ resources.	Agribusiness Teacher, Landscaping and Groundskeepers, Farmworkers and Laborers, Veterinary Occupations, Environmental Engineer, Farmer/ Rancher, Fish Hatchery Manager, Park Naturalist, Soil & Water Conservationist, WildlifeBiologist, Zoologist, Forestry Mgt., Extension Agent, National Park Service Employee	AGR8073 Applied Ag Concepts AGR8034 Horticulture Science AGR8035 Horticulture Sci II AGR8008 Intro Animal Systems AGR8010 Ag Prod Technology AGR8088 Veterinary Science AGR8080 Equine Mgt AGR8014 Operating Farm Bus AGR8040 Intro to Natural Res AGR8041 Fisheries and Wildlife Mgt AGR8042 Forestry Mgt AGR8012 Livestock Prod Mgt AGR8019 Ag Fabrication and Emerging Technologies **See Ag Dept Pathways in WCPS Program of Studies** CTE8672 Welding I CTE8673 Welding II CTE8420 Technology of Robotic Design ENG2315 Appalachian Studies HPE7640 Adv PE CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include:* MTH 2905 Career Capstone Math SCI 4240 Earth Science

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Architecture and Construction  **PROFESSIONAL CLUBS AND ORGANIZATIONS** FFA Art Clubs Math Clubs Science Clubs Interact Club/Service Learning Clubs Skills USA	Careers in designing, planning, managing, building and maintaining the built environment	Architect, Carpenter, Block/Brick Layer, Civil Engineer, Construction Manager, Contractor, Computer Information System, Manager/ Designer, Education and Training Director, Electrician, Mechanical Engineer, Urban Planner/ Designer, General Contractor/ Builder, Interior Designer, Plumber, Safety Director, Solar Energy Technician	AGR8073 Applied Ag Concepts AGR8019 Ag Fabrication and Emerging Technologies CTE8515 Building Trades I CTE8516 Building Trades II CTE8450 Engineering Explorations CTE8451 Engineering Analysis and Applications II CTE8452 Engineering Analysis and Applications III CTE8453 Engineering Practicum IV CTE8420 Technology of Robotics ART9120 Foundations of Art I ART9190 Digital Photography ART5162 Graphic Arts Design ART9140 Drawing, Paining and Sculpting ENG2315 Appalachian Studies HPE7640 Adv PE CTE8672 Welding I CTE8673 Welding II CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include:* MTH 2905 Career Capstone Math MTH3143 Geometry SCI4510 Physics

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Arts, Audio/Visual Technology and Communications 	Careers in designing, planning, managing, building and maintaining the built environment. The Arts, A/V Technology and Communication cluster may be the best career cluster for creative people.	Graphic Designer, Writer, Author, Editor, Photographer, Multimedia Design, Architect, Film Career, Performing Arts, Journalism, Broadcasting, Telecommunications, Radio Broadcaster, Interior Design, Home furnishing coordinator, Curator or Gallery Manager, Costume Designer, Video Editor, Video Production, Stage Designer, Actors, Singers	ART9120 Foundation s of Art I ART91 90 Digital Photography ART5162 Graphic Art s Design ART9140 Drawing, Paining and Sculpting BUS6611 Digital Applications BUS6630 Design Multimedia &Web Tech MUS9222 Music Appreciation MUS9225 Music Theory MUS9233 Intermed Band MUS9234 Adv Band MUS9245 Guitar Lab MUS9250 Percussion Ensemble MUS9255 Piano Lab MUS9297 Piano Lab II MUS9285 Intermediate Chorus MUS9289 Adv Chorus ENG1215 Photojournalism/Yearbook ENG141O Speech Applications (Drama I) ENG1420 Speech Production (Drama II) ENG1448 Forensics ENG2315 Appalachian Studies ENG01177 Advanced Composition ENG1171D DE Creative Writing CTE 6640 Intro to Game Design & Develop(Virtual VA) MKT8110 Intro to Marketing MKT8125Digital and Social Media Marketing MKT8120 Sports and Entertainment Marketing MKT8130 Adv. Marketing MKT8120C/8130C Marketing Co-op CTE8672 Welding I (Creativity with plasma cutter) CTE8673 Welding II (Creativity with plasma cutter) CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *WCC Dual Enrollment Options:* History of Art: Prehistoric to Gothic (ART101)

PROFESSIONAL CLUBS AND ORGANIZATIONS		
	World Language Clubs Art Club Drama Club Journalism Club	DECA Music Clubs Interact Club/Service Learning Clubs

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Business, Management and Administration 	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.	Accountant, Advertising Sales, Analyst Sales, Analyst, Auditor, Bookkeeper, Business Consultant , Certified Public Accountant, Chief Executive Officer, Corporate Trainer, Entrepreneur, Facilities Manager, Financial Analyst, Finance Director, General Manager, Human Resources Manager, Investment Executive Legal Secretary, Marketing Analyst, Meeting and Convention Planner, Office Manager, Paralegal, Personnel Recruiter, Public Relations Manager, Receptionist, Sales Representative, Wholesale and Retail Buyer	BUS6611 Digital Application s BUS6612 Computer Info Systems BUS6630 Design Multimedia &Web Tech BUS6320 Accounting BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming LAN5110 French I LAN51200 French 11 LAN5130 French lll LAN5520 Spanish II LAN5530 Spanish lll LAN5540 Spanish IV LAN5550 Spanish V MKT8110 Intro to Marketing MKT8125Digital and Social Media Marketing MKT8120 Sports and Entertainment Marketing MKT8130 Adv. Marketing MKT8120C/8130C Marketing Co-op ENG1448 Forensics *Recommended Core Classes Include:* MTH3190 Prob and Stats MTH3190A Advanced Prob and Stat s WBL8475 Career Education *WCC Dual Enrollment Options:* Introduction to Business (BUS100) -online Introduction to Business Law (BUS 240) - online Quantitative Reasoning (MTH 154) – online or in person Statistical Reasoning (MTH155) – online or in person Statistics I (MTH 245) – online or in person
PROFESSIONAL CLUBS AND ORGANIZATIONS	Future Business Leaders of America (FBLA) Distributive Education Clubs of America (DECA) Interact Club/Service Learning Clubs Forensics		

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES (cont')
Education and Training  *WCPS Extended Learning Program available* (See p. 25) Teachers for Tomorrow	Planning, managing and providing education and training services, and related learning support services.	Elementary Teacher, High School Teacher, Middle School Teacher, Principal, Administrator, Teacher Assistant, Coach, School Counselor, Librarian, Assessment Specialist, Occupation Tech Administrator, Child Care Worker, College/ University Faculty, Counselor, Curriculum Developer, Education Researcher, Psychologists (Clinical, Development, Social}, Social Worker, Speech-Language, Pathologist/ Audiologist **WCPS ELECTIVES** BUS6611 Digital Applications BUS6612 Computer Info Systems BUS6630 Design Multimedia and Web Tech BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming FAM8210 Individual Development FAM8229 Nutrition and Wellness LANS110 French I LAN51200 French II LAN5130 French III LAN5140 French IV LAN5510 Spanish I LAN5520 Spanish II LAN5530 Spanish III LAN5540 Spanish IV LAN5550 Spanish V MKT8110 Intro to Marketing MKT8125Digital and Social Media Marketing MKT8120 Sports and Entertainment Marketing MIL7913 Military Science 1 MIL7916 Military Science 2 MIL7918 Military Science 3 MIL7919 Military Science 4 MIL7920 Military Science 5 MIL7922 Military Science	ART9120 Foundations of Art I ART9190 Digital Photography ART5162 Graphic Arts Design ART9140 Drawing, Paining and Sculpting MUS9222 Music Appreciation MUS9225 Music Theory MUS9233 Intermediate Band MUS9234 Adv Band MUS9245 Guitar Lab MUS9250 Percussion Ensemble MUS9255 Piano Lab MUS9297 Piano Lab II MUS9285 Interm Chorus MUS9289 Adv Chorus ENG1215 Photojournalism/Yearbook ENG1410 Speech Applications (Drama I) ENG1420 Speech Production (Drama II) ENG1448 Forensics ENG2315 Appalachian Studies HPE7640 Adv PE CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *CTE/WCTC Options:* CTE9062/9072 Teachers for Tomorrow I/II CTE 8285/82886 Early Childhood Education and Services I/II *Recommended Core Classes Include:* ENG1165D American Literature MTH3190 Prob and Stats MTH3190A Advanced Prob and Stats *WCC Dual Enrollment Options:* College Success Skills (SDV100) Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Developmental Psychology (PSY 230) Quantitative Reasoning (MTH 154) Statistical Reasoning (MTH155) *Linwood Holton Online Governor's School Options:* Advanced Multimedia (ITE170/270) Appalachian History (HIS205) Creative Writing I and II (ENG 211/212) Environmental Science I,II (ENV 121/122) Life Science (BIO 106) Introductory Chemistry (CHM 101)
PROFESSIONAL CLUBS AND ORGANIZATIONS	Teachers for Tomorrow Monogram Club/Spirit Clubs Math Clubs Science Clubs Interact Club/Service Learning Clubs	World Language Clubs Art Club Journalism FCCLA MAAC	Drama Club Forensics FFA Music Clubs DECA

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Energy 	Careers in the energy industry relate to extracting or harnessing power from a variety of sources, refining it and distributing it, and ensuring its safe use by consumers. With vast supplies of natural resources and ever-improving technologies, the United States is a global leader in the production of energy.	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electrical power-line installers and repairers Power distributors and dispatchers Heating, air conditioning, and refrigeration mechanics and installers Industrial machinery mechanics Home Electrician (Construction) Industrial Electrician Solar energy installation managers Solar photovoltaic installers Solar thermal installers Water and wastewater treatment plant and system operators Welders Wellhead pumpers Derrick operators, oil and gas Rotary drill operators, oil and gas Service unit operators, oil and gas Biomass plant technicians Electricians Explosives workers Meter readers Nuclear power reactor operators Petroleum pump system operators, refinery operators, and gaugers Pump operators Riggers Roustabouts Geological technicians Nuclear technicians Power plant operators Wind turbine service technicians Biomass power plant managers Compliance officers Energy engineers Environmental scientists and specialists Fuel cell engineers Geoscientists Information Security Analysts Nuclear engineers Petroleum engineers Solar sales representatives and assessors Water/Wastewater engineers Wind energy development managers	AGR8073 Applied Ag Concepts AGR8019 Ag Fabrication and Emerging Technologies BUS6611 Digital Applications BUS6612 Computer Info Systems BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming CTE8515 Building Trades I CTE8516 Building Trades II CTE8450 Engineering Explorations CTE8451 Engineering Analysis & App II CTE8452 Engineering Concepts and Proc III CTE 8453 Engineering Practicum IV CTE8420 Technology of Robotic Design II CTE8575 Industrial Technology I CTE8576 Industrial Technology II CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include:* Earth Science Probability and Statistics Career Capstone Math *Linwood Holton Online Governor's School Options:* Environmental Science I,II (ENV 121/122) *WCPS Extended Learning Programs* (See p.24) Industrial Maintenance Manufacturing Excellence

PROFESSIONAL CLUBS AND ORGANIZATIONS	Future Farmers of America (FFA) Science Clubs Interact Club/Service Learning Clubs/Service Clubs Skills USA

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Finance 	Planning services for financial and investment planning, banking insurance, and business financial management	Accountant, Actuary, Auditor, Financial Manager,Bank Teller, Commodities Representative, Controller, Credit Analyst, Debt Counselor, Economist, Financial Planner/ Analyst, Foreign Exchange Manager,Fund Raiser, Insurance Broker, Internal Auditor, Investment Advisor, Loan Officer, Non-Profit Manager, Personal Financial Advisor, Tax Examiner/ Preparer, Title Researcher and Examiner, Treasurer, Tax Preparers	BUS6611 Digital Applications BUS6612 Computer Info Systems BUS 6630 Design Multimedia and Web Tech BUS6320 Accounting BUS6302 Cyber Security Fundamentals BUS 10020 Computer Science Foundations BUS100111 Computer Science Principles BUS 10021 Computer Science Programming MKT8110 Intro to Marketing MKT8125Digital and Social Media Marketing MKT8120 Sports and Entertainment Marketing MKT8130 Adv. Marketing MKT8120C/8130C Marketing Co-op WBL8475 Career Education Recommended Core Classes Include: MTH3190 Prob and Stats MTH3190A Advanced Prob and Stats *WCC Dual Enrollment Options:* Intro to Business Law (BUS240) Into to Business (BUS100) Into to Digital and Information Literacy and Computer Applications (ITE152) Quantitative Reasoning (MTH154) Statistical Reasoning (MTH 155) Statistics I (MTH245)
PROFESSIONAL CLUBS AND ORGANIZATIONS	Future Business Leaders of America (FBLA) Distributive Education Clubs of America (DECA) Forensics Interact/Service Learning Clubs		

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Government and Public Administration  	Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.	Postal Service Employee, Interpreter, Translator, Compliance Officer, Occupational/ Safety Specialist, Real Estate Appraiser/ Assessor, Foreign Services Officer, Cryptographer, Intelligence Analyst, Lobbyist, Policy Analyst, Government Auditor, Congressional Aide, tax Examiner, Auditor/Assessor, Investigator/ Examiner, Court Administrator, Court, Municipal, and License Clerks,	CTE8702 Criminal Justice I CTE8703 Criminal Justice II BUS6611 Digital Applications BUS6302 Cyber Security BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming LAN5110 French I LAN51200 French II LAN5130 French lll LAN5140 French IV LAN5510 Spanish I LAN5520 Spanish II LAN5530 Spanish lll LAN5540 Spanish IV LAN5550 Spanish V MIL7913 Military Science 1 MIL7916 Military Science 2 MIL7918 Military Science 3 MIL7919 Military Science 4 MIL7920 Military Science 5 MIL7922 Military Science 6 MKT8110 Intro to Marketing MKT8125Digital and Social Media Marketing MKT8120 Sports and Entertainment Marketing MKT8130 Adv. Marketing MKT8120C/8130C Marketing Co-op ENG1215 Photojournalism (Yearbook) ENG1448 Forensics Any Foreign Lang not offered by WCPS (Virtual VA) CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *<u>WCC Dual Enrollment Options:</u>* College Success Skills (SDV 100) Intro to Digital and Information Literacy and computer Applications (UTE 152) Java Programming (ITP120) - for students interested in Cyber Security Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Statistical Reasoning (MTH155) US Gov I/II (PLS 135/136) *<u>Linwood Holton Online Governor's School Options:</u>* Cybersecurity (ITE 105 and ITN101) Appalachian History (HIS 205) Western Civilizations (HIS 101/102 World Civilizations (HIS111/112)

PROFESSIONAL CLUBS AND ORGANIZATIONS

World Language Clubs
Monogram/Spirit Clubs
Forensics
Journalism
FCCLA
FBLA
Interact/Service Learning Clubs
DECA

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Health Science  **PROFESSIONAL CLUBS AND ORGANIZATIONS** World Language Clubs Spirit Clubs Math Clubs Science Clubs FCCLA HOSA –Future Health Professionals Interact/Service Learning Clubs DECA Skills USA	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development	Acupuncturist, Athletic Trainer, Audiologist, Biomedical/ Clinical Engineer, Chiropractor, Dietary Technician, Doctor, Dental Hygienist, Dentist, Nurse, Home Health Aide, Medical Lab Technologist, Microbiologist, EMT and Paramedic, Pathologist, Pharmacist, Physical Therapist, Physician, Registered Nurse	BUS6611 Digital Applications CTE8357 Practical Nursing 1 CTE8358 Practical Nursing 2 FAM8210 Individual Development FAM8219 Indep Living FAM8227 Life Planning FAM8229 Nutrition & Wellness LANS110 French I LAN5120 French II LAN5130 French III LAN5140 French IV LANSS10 Spanish I LAN5520 Spanish II LAN5530 Spanish III LAN5540 Spanish IV LANSSS0 Spanish V HPE7640 Adv PE SCI 4320 DE Biology II SCI4330 Anatomy and Physiology LAN5310 Latin I (Virtual VA) LAN5320 Latin II (Virtual VA) LAN5330 Latin III (Virtual VA) LAN5340 Latin IV (Virtual VA) WBL8475 Career Education *Recommended Core Classes Include:* SCI4410 Chemistry SCI4330 Anatomy SCI 4320D DE Biology MTH3190 Prob and Stats or MTH3190A Advanced Prob and Stats *WCC Dual Enrollment Options:* College Success Skills (SDV100) Medical Terminology (HIM113) Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Developmental Psychology (PSY 230) Quantitative Reasoning (MTH 154) Statistical Reasoning (MTH155) *Linwood Holton Online Governor's School Options:* Life Science (BIO 106) Intro Chemistry (CHM101) Human Anatomy and Physiology (BIO141/142) General Chemistry I/II (CHM11/112)
EXTENDED LEARNING OPPORTUNITIES	(see p. 25) Healthcare Excellence Program offered to Sophomores via application process Fall Semester of the 10th grade year. **NEW! Starting in 2023-24, WCPS will have a limited number of slots reserved for sophomores who complete the Healthcare Excellence Program to attend the new E&H Lab School in Smyth Co. Students will apply to be accepted into the new "Health Excellence Academy Lab School" (HEALS) which begins in the Spring 2024. Applications are due in April.**		

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES (cont')
Hospitality and Tourism 	Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.	Restaurant Cook, Server or Host, Bartender, Recreation Worker, Hotel/Motel Management, Cruise Ship Management, Executive Chef, Food Service Manager, Amusement and Recreation Attendant or Manager, Golf Management, Manager, Resort Owner, Sales Professional, Event Planner, Interpreter, Travel Agent, Club Manager, Wedding Planner	MUS9222 Music Appreciation MUS9225 Music Theory MUS9233 Intermediate Band MUS9234 Adv Band MUS9245 Guitar Lab MUS9250 Percussion Ensemble MUS9255 Piano Lab MUS9297 Piano Lab II MUS9285 Intermediate Chorus MUS9289 Adv Chorus ENG1215 Photojournalism/Yearbook ENG1410 Speech Appl.(Drama I) ENG1420 Speech Prod. (Drama II) ENG1448 Forensics ENG2315 Appalachian Studies ENG01177 Advanced Composition HPE7640 Adv PE Any Foreign Lan not offered by WCPS via Virtual VA CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include:* MTH3190 Prob and Stats or Adv Prob and Stats SOC2216 World History II *WCC Dual Enrollment Options:* College Success Skills (SDV100) Intro to Business Law (BUS240) Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Quantitative Reasoning (MTH 154) Statistical Reasoning (MTH155) Statistics I (MTH245) *Linwood Holton Online Governor's School Options:* Advanced Multimedia (ITE 170/270) Appalachian History (HIS205) Western Civilizations (HIS 101/102 World Civilizations (HIS111/112)

PROFESSIONAL CLUBS AND ORGANIZATIONS

Distributive Education Clubs of America (DECA)

Future Business Leaders of America (FBLA)

World Language Clubs

Art Clubs

Journalism

Family, Career and Community Leaders of America (FCCLA)

Spirit Clubs

Interact/Service Learning Clubs

Music Clubs

Skills USA

WCPS ELECTIVES

CTE8275 Culinary Arts 1
CTE8276 Culinary Arts 2
BUS6611 Digital Applications
FAM8210 Individual Development
FAM8219 Independent Living
FAM8227 Life Planning
FAM8229 Nutrition & Wellness
LAN5110 French I
LAN51200 French II
LAN5130 French III
LAN5140 French IV
LAN5510 Spanish I
LAN5520 Spanish II
LAN5530 Spanish III
LAN5540 Spanish IV
LAN5550 Spanish V
MKT8110 Intro to Marketing
MKT8125Digital and Social Media Marketing
MKT8120 Sports and Entertainment Marketing
MKT8130 Adv. Marketing
MKT8120C/8130C Marketing Co-op
ART9120 Foundations of Art I
ART9190 Digital Photography
ART5162 Graphic Arts Design
ART9140 Drawing, Paining and Sculpting

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Human Services 	Preparing individuals for employment in career pathways that relate to families and human needs.	Personal Care Aide, Social Worker, Rehabilitation Counselor, Occupation Counselor, Child Care Workers, Clergy, Director or Assistant Directors for Child Care Facilities, Marriage or Family Counselor, Hairstylist, Nail Technician, Fitness Trainer, Massage Therapist, Mental Health Counselor, Personal Trainer, Teacher, Psychologist, Rehabilitation Counselor, School Counselors, Sociologists	BUS6611 Digital Applications CTE8527 Cosmetology I CTE8528 Cosmetology II FAM8210 Individual Development FAM8219 Indep. Living FAM8227 Life Planning FAM8229 Nutrition & Wellness CTE8275 Culinary Arts 1 CTE8276 Culinary Arts 2 LAN5110 French I LAN51200 French II LAN5130 French III LAN5140 French IV LAN5510 Spanish I LAN5520 Spanish II LAN5530 Spanish III LAN5540 Spanish IV LAN5550 Spanish V ENG1448 Forensics ENG2315 Appalachian Studies ENG1410 Speech Applications (Drama I) ENG1420 Speech Production (Drama II) HPE7640 Adv PE WBL8475 Career Education *WCC Dual Enrollment Options:* College Success Skills (SDV100) Medical Terminology (HIM113) Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Developmental Psychology (PSY 230 *Linwood Holton Online Governor's School Options:* Appalachian History (HIS 205) Western Civilizations (HIS 101/102 World Civilizations (HIS111/112)
PROFESSIONAL CLUBS AND ORGANIZATIONS	Distributive Education Clubs of America (DECA) Future Business Leaders of America (FBLA) Family, Career and Community Leaders of America (FCCLA) World Language Clubs — Art Clubs — Journalism Spirit Clubs — Music Clubs — Art Club Science Clubs Interact/Service Learning Clubs — Skills USA World Language Clubs		

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Information Technology 	Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.	Computer Programmer, Data Communications Analyst, Database Administrator, Instructional Designer, Multimedia Developer/Specialist, Network Analyst/Architect/ Engineer/Manager, Online Publisher, Senior Database Administrator, Systems Engineer, Technical Writer, Web Developer, Web Administrator, Software Designer, Game Developer, App Developer,	BUS6611 Digital Applications BUS6612 Computer Info Systems BUS6630 Design Multimedia and Web Tech BUS6302 Cyber Security Fundamentals BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming ENG1215 Yearbook ART9190 Digital Photography CTE8450 Engineering Explorations CTE8451 Engineering Analysis & App II CTE8452 Engineering Concepts and Proc III CTE8453 Engineering Practicum IV CTE8420 Technology of Robotic Design CTE8530 Computer Aided Design I CTE8531 Computer Aided Design II CTE8575 Industrial Technology I CTE8576 Industrial Technology II CTE8554 Mechatronics I CTE8555 Mechatronics II CTE8554 Mechatronics III CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include:* MTH3190 Prob and Stats MTH3190A Advanced Prob and Stat s WBL8475 Career Education *WCC Dual Enrollment Options:* College Success Skills (SDV100) Into to Digital and Information Literacy and Computer Applications (ITE152) Java Programming (ITP120) Software Design (ITP 100) Quantitative Reasoning (MTH154) Statistical Reasoning (MTH 155) Statistics I (MTH245) *Linwood Holton Online Governor's School Options:* Advanced Multimedia (ITE 170/270) Cybersecurity (ITE 105 and ITN101)
PROFESSIONAL CLUBS AND ORGANIZATIONS	Forensics Math Clubs Science Clubs STEM Clubs FBLA Computer Clubs		

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Law, Public Safety, Corrections and Security 	Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.	Security Guards, Police, Sheriff, Deputy, Fire Fighter, Detective, Legal Secretary, Computer Security, Computer Forensics Examiner, Corrections Educators, Corrections Officer, Criminal Investigator, Special Agent, EMT, Emergency Management and Response Coordinator, Judge, Lawyer, Paralegal, Rescue Worker, Cyber Security	BUS6611 Digital Applications BUS6302 Cyber Security Fundamentals CTE8702 Criminal Justice I CTE8703 Criminal Justice II (DE option avail) BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming BUS6131D DE Business Law MIL7913 Military Science 1 MIL7916 Military Science 2 MIL7918 Military Science 3 MIL7919 Military Science 4 MIL7920 Military Science 5 MIL7922 Military Science 6 ENG1448 Forensics ENG2315 Appalachian Studies HPE7640 Adv PE CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include*: SCI4410 Chemistry SCI4330 Anatomy SCI 4320D DE Biology MTH3190 Prob and Stats or MTH3190A Advanced Prob and Stats *WCC Dual Enrollment Options:* College Success Skills (SDV 100) Intro to Digital and Information Literacy and computer Applications (UTE 152) Java Programming (ITP120) - for students interested in Cyber Security Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Statistical Reasoning (MTH155) US Gov I/II (PLS 135/136) *Linwood Holton Online Governor's School Options:* Cybersecurity (ITE 105 and ITN101) Appalachian History (HIS 205) Human Anatomy and Physiology I/II (BIO 141 and BIO 142) Other Lab Sciences offered at LWHGS
PROFESSIONAL CLUBS AND ORGANIZATIONS	World Language Clubs Journalism Interact/Service Learning Clubs	Monogram/Spirit Clubs FCCLA DECA	Forensics FBLA

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Manufacturing 	Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/ process engineering.	Industrial manufacturing, Machinists, Biomedical Equipment Technician, Computer Installer/Repairer, Engineer, HVAC Technician, Plumbers, Pipe-fitters, Inspector, Labor Relations Manager, Manger, Supervisor, Machine Technology, Medical Equipment Manufacturing, Appliance Maker, Production Managers, Safety Coordinators, Welder , Solar Energy Technology,	AGR8073 Applied Ag Concepts AGR8010 Ag Prod Technology BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming CTE8450 Engineering Explorations CTE8451 Engineering Analysis & App II CTE8452 Engineering Concepts and Proc III CTE 8453 Engineering Practicum IV CTE8420 Technology of Robotic Design CTE8515 Building Trades I CTE8516 Building Trades II CTE8539 Precision Machine Technology I CTE8540 Precision Machine Technology II CTE 8019 Ag Fab and Emerging Tech CTE8672 Welding I CTE8673 Welding II CTE8530 Computer Aided Design I CTE8531 Computer Aided Design II CTE8575 Industrial Technology I CTE8576 Industrial Technology II CTE8554 Mechatronics I CTE8555 Mechatronics II CTE8554 Mechatronics III CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *WCPS Extended Learning Programs* (See p. 24) Industrial Maintenance Manufacturing Excellence
PROFESSIONAL CLUBS AND ORGANIZATIONS	FFA Math Clubs Science Clubs Interact Club/Service Learning Clubs Skills USA		

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Marketing, Sales and Service 	Planning, managing, and performing marketing activities to reach organizational objectives.	Retail Salesperson or Manager, Real Estate, Account Executive, Chief Executive Officer (CEO), Entrepreneur, Interior Designers, Marketing Managers, Market Researchers, Public Relations Specialists, Sales Representative, Sales Executive, Webmaster, Public Relations Specialist	BUS6611 Digital Applications BUS6612 Computer Info Systems BUS6630 Design Multimedia and Web Tech BUS6320 Accounting ENG1410 Speech Applications (Drama I) ENG1420 Speech Production (Drama II) ENG1448 Forensics ENG1215 Photojournalism/Yearbook ENG2315 Appalachian Studies LAN5110 French I LAN51200 French II LAN5130 French III LAN5140 French IV LAN5510 Spanish I LAN5520 Spanish II LAN5530 Spanish III LAN5540 Spanish IV LAN5550 Spanish V MKT8110 Intro to Marketing MKT8125Digital and Social Media Marketing MKT8120 Sports and Entertainment Marketing MKT8130 Adv. Marketing MKT8120C/8130C Marketing Co-op CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include:* MTH3190 Prob and Stats or Adv Prob and Stats *WCC Dual Enrollment Options:* College Success Skills (SDV100) Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Developmental Psychology (PSY 230) Intro to Business Law (BUS240) Into to Business (BUS100) Into to Digital and Information Literacy and Computer Applications (ITE152) Quantitative Reasoning (MTH154) Statistical Reasoning (MTH 155) Statistics I (MTH245) *Linwood Holton Online Governor's School Options:* Advanced Multimedia (ITE170/270) Appalachian History (HIS205) Creative Writing I and II (ENG 211/21

PROFESSIONAL CLUBS AND ORGANIZATIONS

Distributive Education Clubs of America (DECA)
Future Business Leaders of America (FBLA)
World Language Clubs
Art Clubs
Journalism
Family, Career and Community Leaders of America (FCCLA)
Spirit Clubs
Interact/Service Learning Clubs
Music Clubs
Skills USA

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Science, Technology, Engineering and Mathematics  	Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.	Anthropologist, Archaeologist, Civil Engineering, Environmental Scientist, Chemical Engineering, Chemist, Geologist, Computer Network Support, Computer Specialist, Computer Analyst, Statistician, Mechanical Engineer, Electronics, Any occupation listed in the HEALTH SCIENCE INFORMATION TECHNOLOGY, or AGRICULTURE clusters above	AGR8073 Applied Ag Concepts AGR8010 Ag Prod Technology BUS6611 Digital Applications BUS6612 Computer Info Systems BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming BUS6302 Cyber Security Fundamentals BUS6611 Digital Applications BUS6612 Computer Info Systems BUS6630 Design Multimedia and Web Tech CTE8357 Practical Nursing 1 CTE8358 Practical Nursing 2 CTE8450 Engineering Explorations CTE8451 Engineering Analysis & App II CTE8452 Engineering Concepts and Proc III CTE 8453 Engineering Practicum IV CTE8420 Technology of Robotic Design CTE8530 Computer Aided Design I CTE8531 Computer Aided Design II CTE8539 Precision Machine Technology I CTE8540 Precision Machine Technology II CTE8575 Industrial Technology I CTE8576 Industrial Technology II CTE8554 Mechatronics I CTE8555 Mechatronics II CTE 6640 Intro to Game Design & Develop. (Virtual VA) CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *Recommended Core Classes Include:* Students Should Take Math all 4 Yrs Students Should Take Science all 4 Yrs *WCC Dual Enrollment Options:* College Success Skills (SDV100) Medical Terminology (HIM113) Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Developmental Psychology (PSY 230) Into to Digital and Information Literacy and Computer Applications (ITE152) Java Programming (ITP120) Software Design (ITP 100) Quantitative Reasoning (MTH154) Statistical Reasoning (MTH 155) Statistics I (MTH245) *Linwood Holton Online Governor's School Options:* Life Science (BIO 106) Intro Chemistry (CHM101) Human Anatomy and Physiology (BIO141/142) General Chemistry I/II (CHM11/112) Advanced Multimedia (ITE 170/270) Cybersecurity (ITE 105 and ITN101)
PROFESSIONAL CLUBS AND ORGANIZATIONS Math Clubs Science Clubs FFA FCCLA FBLA Interact/Service Learning Clubs STEM Clubs Skills USA *WCPS Extended Learning Programs* (See p.24 -25) Industrial Maintenance Manufacturing Excellence Healthcare Excellence HEALS Lab School Teachers for Tomorrow			

MATCH YOUR HIGH SCHOOL ELECTIVES TO THE CAREER CLUSTER YOU WOULD LIKE TO EXPLORE

CAREER CLUSTER	DESCRIPTION	SAMPLE OCCUAPTIONS	WCPS ELECTIVES
Transportation, Distribution and Logistics 	Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.	Flight Attendant, Airline employee, Air Traffic Controller, Consultants, Delivery Driver, Mail Carrier, Electrician, Engineer, Marketing, Manager, Pilot, Sales Manager, Shipping and Receiving Supervisor, Technician, Truck Driver, Urban and Regional Planner, Warehouse Distribution, Sales and Service, Automotive Service Technicians, Logicians, Dispatchers, Bus Drivers, Military Career	BUS6611 Digital Applications BUS6612 Computer Info Systems BUS6320 Accounting BUS10020 Computer Science Foundations BUS 10011 Computer Science Principles BUS10021 Computer Science Programming CTE8506 Automotive Technology I CTE8507 Automotive Technology II CTE8508 Automotive Technology III CTE8450 Engineering Explorations CTE8451 Engineering Analysis & App II CTE8452 Engineering Concepts and Proc III CTE 8453 Engineering Practicum IV CTE8420 Technology of Robotic Design CTE8575 Industrial Technology I CTE8576 Industrial Technology II MIL7913 Military Science 1 MIL7916 Military Science 2 MIL7918 Military Science 3 MIL7919 Military Science 4 MIL7920 Military Science 5 MIL7922 Military Science 6 MKT8110 Intro to Marketing MKT8120 Marketing MKT8130 Adv Marketing MKT8130C Marketing Co-op CTE8910 Unmanned Aircraft Systems WBL8475 Career Education *<u>WCC Dual Enrollment Options:</u>* College Success Skills (SDV100) Medical Terminology (HIM113) Principles of Psychology (PSY 2000) Principles of Sociology (SOC 200) Developmental Psychology (PSY 230) Quantitative Reasoning (MTH 154) Statistical Reasoning (MTH155) *<u>Linwood Holton Online Governor's School Options:</u>* Cybersecurity (ITE 105 and ITN101) Western Civilizations (HIS 101/102 World Civilizations (HIS111/112)
PROFESSIONAL CLUBS AND ORGANIZATIONS	FFA Math Clubs Interact Club/Service Learning Clubs Skills USA	World Language Clubs DECA	FBLA Science Clubs

Additional online electives

Students may wish to pursue additional electives from any of our online options listed below. Online courses provide students exposure to academic subjects that support their chosen career cluster beyond what is available in the school building. All online courses require an approval process. Please check with your school counselor to receive the most recent and updated information regarding WCPS online classes.



	Pathway:	Grade:	Pre-requisites:	Link to more information:
Edmentum Courseware	**All WCPS Pathways**	**9 - 12**	pre-approval *see WCPS Program of Studies*	https://www.apexlearning.com/catalog *Use drop-down to select Virginia
Virtual Virginia	**All WCPS Pathways**	**9 - 12**	pre-approval *see WCPS Program of Studies*	https://virtualvirginia.org/course/
WCC Dual Enrollment Online Course Offerings	**WCPS Pathways 1, 2, 3**	**11 - 12**	Virginia College Placement Test (VPT) in Reading and/or Math *See School Counselor and WCC Career Coach for additional pre-requisites*	https://www.wcc.vccs.edu/dual-enrollment
Linwood Holton Governor's School	**WCPS Pathways 1 and 2** ***Requires Gov. School application and approval***	**11 - 12**	Virginia College Placement Test (VPT) in Reading and/or Math *See School Counselor and WCC Career Coach for additional pre-requisites*	https://www.hgs.k12.va.us/

What to Know Before Taking Online Courses

Value an independent learning experience.

Be organized from the beginning.

Manage your time wisely. Don't get behind! Don't procrastinate!

Reserve the same time each day to work on your assignments.

Have a dedicated study space.

Become familiar and follow the instructor's expectations.

Identify learning objectives and goals.

Build a Study Plan

Ask for help when you need it.

EXTENDED LEARNING OPPORTUNITIES



Students can apply to specialized programs and enhance thier learning experience

WCPS offers several extending learning programs for students. Students apply and are accepted into these valuable extended learning programs. All programs require a release from class to complete. Successful program completion looks great on students' resumes or college applications! Some can lead to gainful employment right out of high school!

The goal of Manufacturing Excellence Program is to introduce Bland and Wythe County high school seniors to the basic fundamentals of production, safety, environmental surroundings, opportunities and success that can be achieved in a manufacturing environment. Training includes:

- Safety and OSHA
- General Manufacturing Overview
- Writing Your Resume / Applications
- Employee Effectiveness
- Communication Skills
- Problem Solving
- Hand Tool & Torque Certifications (Snap-on)
- Metrology Certification (NC3)
- Personal Protective Equipment (PPE) Certification - 3M
- Subtractive & Additive Manufacturing

Students completing the Manufacturing Excellence Training will receive a Certificate of Completion, various other certifications along with other pertinent advantages to enhancing a career in manufacturing.

Wythe County Public Schools 1870 | ME | Workforce Development WCC

Manufacturing EXCELLENCE

Wytheville-Wythe-Bland Chamber of Commerce Inc.

M.E. meets every other Friday in S2 of Students' Senior Year from Jan. - April.



TODAY is the OPPORTUNITY to build the tomorrow YOU DESIRE.





WCPS rising Seniors have the opportunity to apply for this industry certification program held during S2 of their Senior year. Students who are accepted into this program will be provided with all their required graduation courses during S1 and report to class at WCC Monday – Thursday of S2 their senior year. Students completing the Industrial Maintenance Program will graduate with credentials to obtain gainful employment in Wythe/Bland Counties with their newly acquired skills. Students who complete the program will have the opportunity to interview for current openings in our local manufacturing facilities throughout Wythe County. The projected salary scales for students completing this program are between $40,000-$60,000. Please see your School counselor ASAP to let them know you are interested in this program.

The purpose of the HEALTHCARE EXCELLENCE program is to introduce Bland and Wythe County high school students to the basic fundamentals of healthcare opportunities and the success that can be achieved in a healthcare environment.

Students will visit a new facet of the healthcare industry each week to explore the industry. Students must attend all sessions to receive the medical kit along with other career building supplies and certificate of completion. Healthcare Excellence includes training on:

Healthcare Overview | Simulation Lab | Emergency Services | Skilled Nursing | MED Lab | Diagnostics | Therapy | Dental | Behavioral Health & Substance Use Disorder

Students completing the Healthcare Excellence Training will receive a Certificate of Completion along with other pertinent advantages to enhancing a career in healthcare.

Health Excellence Academy Lab School (HEALS)

The **Health Excellence Academy Lab School (HEALS)** will focus on providing high school students a strong foundation and educational preparation for pursuing careers in healthcare professions with a special emphasis on educational pathways to nursing, mental health, physician assistant studies, physical therapy, occupational therapy.

The program will be held at the Emory & Henry School of Health Sciences in Marion, VA. It will begin with students in tenth grade from Wythe, Smyth, Washington, and Bristol schools. It will consist of morning Dual Enrollment classes with a medical overlay. Students will determine a medical or behavioral direction by senior year. Transportation will be provided. Students need to apply and be accepted into one of the 8 slots reserved for Wythe Co. **Please see your School counselor ASAP to let them know you are interested in this program.**





WCPS will offer students the opportunity to explore the field of Education through the

Teachers for Tomorrow

program. Students will receive high school credit for conducting job shadowing or externships in one of our 13 schools.

Students also have the opportunity to earn Dual Enrollment credit and get a head start obtaining their college degree and required Education coursework in a new partnership we have with WCC. **Please see your School counselors ASAP to let them know you are interested in this program.**





The career-planning component of the Profile of a Virginia Graduate provides an opportunity for students to learn more about the employment options and career paths they first explored in elementary and middle school. While there is no specific career-related activity that a student must experience (such as an internship or job-shadowing assignment) to earn a diploma, school divisions must provide opportunities for students to learn about workplace expectations and career options in their own communities and elsewhere. By reducing the number of SOL tests students must pass to earn a diploma, the new standards increase flexibility for schools to expand work-based and service-learning programs that promote college, career and civic readiness.
Please see your School Counselor for options regarding the following Work-based Learning (WBL) opportunities you may have:

☑ **Career Education (WBL8475)** This experience will provide students with on-the-job-instruction and potential career exploration opportunities based on the students' selected career cluster(s). The student will also have the opportunity to strengthen motivation and acquire soft skills, workplace readiness skills, and professional skills. Students will receive a Pass (P) or Fail (F) grade for this course.

☑ **Career Education (WBL8475-B) Capstone** This experience will provide students with an opportunity to reflect on the work-based experience and display what they understand about the key aspects of the industry/career. This process will enrich the work-based learning experience and allow the student to apply meaningful knowledge and skills obtained through the program through a research based project. Student projects will be graded using a rubric.

☑ **Manufacturing Excellence Training (WBL8475-ME)** This experience will provide students with an opportunity to observe the successful practices of a wide variance of manufacturing processes. Students will attend 8 sessions consisting of on-site training and direct instruction from Manufacturing professionals.

☑ **Education for Employment (WBL9085)** This course teaches students to make informed career and continuing education choices as they transition from school, gain technical skills, and adapt to the workplace. Students are taught ethical behaviors and career-research, job-acquisition, workplace-communication, self-awareness, self-advocacy, customer-service, and life skills.

CAREER PLANNING Navigation

EXPLORE ❁ DISCOVER ❁ GROW



Students must be upper classmen in good academic standing and on track to graduate.



Students must attend 8 career development workshops provided by WCPS. Student will learn skills and develop professional etiquette necessary for success in the workplace.



Students will gain meaningful work experience with professional mentors while potentially earning wages, too!

Work-based learning **(**WBL**)** is a coordinated, workplace experience that is related to students' career goals and**/**or interests. WCPS will provide students instructional preparation prior to the WBL experience. WCPS has formed partnerships with local businesses, industries, and other organizations in the community. WBL enables students to apply classroom instruction in a real-world business or service-oriented work environment.

WCPS provides a JVG specialist in each high school who works with JVG students on developing their potential and job skills, prepares them for work life beyond graduation, and helps them open opportunities both in employment and in post-secondary education, including technical school, apprenticeships and college.



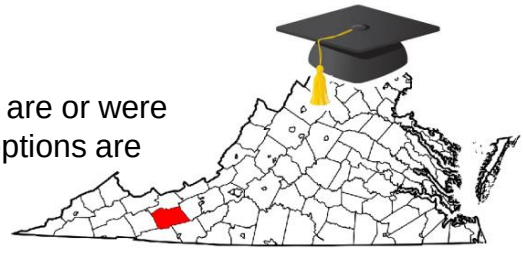
The method used to operate this program includes a unique combination of in-school and out-of-school services provided by a job specialist.

Sign up for Career education class as an elective to participate in this rewarding work-based-learning opportunity

Virginia Profile of a Graduate Requirements

Three Diploma Options

There are three diploma options available for students who are or were first-time ninth graders in 2018-19 and beyond. The three options are the Advanced Studies Diploma, Standard Diploma, and the Applied Studies Diploma.



Advanced Studies Diploma (Class of 2022)

Subject	Standard Units of Credit Required	Verified Credits Required
English	4	2
Mathematics	4	1
Science	4	1
History/Social Science	4	1
World Language	3	
Health & Physical Education	2	
Fine Arts or Career & Technical Education	1	
Economics & Personal Finance	1	
Electives	3	
TOTAL	**26**	**5**

Advanced Studies Diploma

For students who see themselves attending a four year college such as JMU or VA Tech this diploma would be very helpful.



Standard Diploma (Class of 2022)

Subject	Standard Units of Credit Required	Verified Credits Required
English	4	2
Mathematics	3	1
Science	3	1
History/Social Science	3	1
Health & Physical Education	2	
World Language, Fine Arts or Career & Technical Education	2	
Economics & Personal Finance	1	
Electives	4	
TOTAL	**22**	**5**

Standard Diploma

Although both the Advanced Studies and Standard Diploma are designed to prepare students to be college and career ready, this diploma allows students the opportunity to attend 2-year colleges including community colleges and some 4-year colleges. Also, for students that would like to master a trade or enroll in an apprenticeship such as welding or cosmetology this is the diploma that is often requested as a minimum requirement.

If you are earning a Standard Diploma you must also complete two sequential electives and earn a career and technical education credential.

Applied Studies Diploma

The Applied Studies Diploma is for students who have completed the requirements of their IEP and who do not meet the requirements for other diplomas. Students who earn this diploma will be eligible for ongoing services, FAPE, through the age of 21.

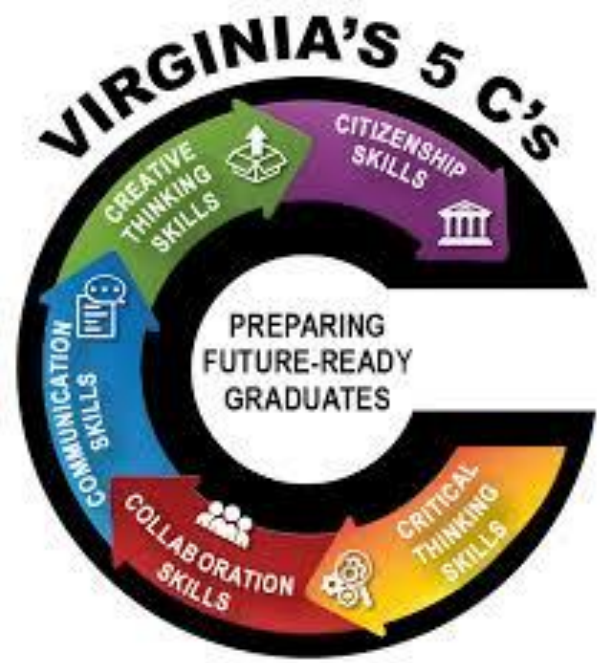
Additional Requirements

Additional requirements for students earning an Advanced Studies or a Standard Diploma are that they must complete one virtual course and be trained in Emergency First aid, CPR and the use of an AED. Students will also have to meet College, Career, or Civic requirement prior to graduating. For questions regarding any of these requirements, consult your school counselor.

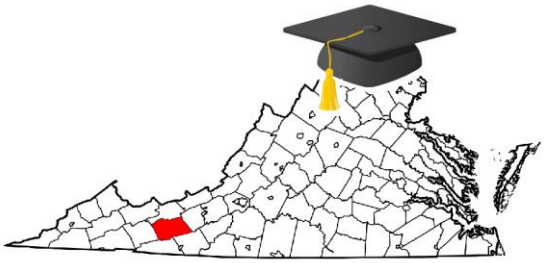
For additional information please visit the VDOE website at https://www.doe.virginia.gov/parents-students/for-students/graduation

Virginia Graduates Shall Acquire and Demonstrate Foundational Skills in





Wythe County Public Schools will integrate and promote The Five C's in all core and elective subject areas.



Profile of a Virginia Graduate

In Virginia, the Life Ready Individual:

CONTENT KNOWLEDGE

- Attains and is able to use the knowledge and skills described in the Standards of Learning for core instruction areas (English, math, science, and history/social science), the arts, personal wellness, languages, and Career and Technical education programs.
- Attains and demonstrates the knowledge and skills necessary to transition to and achieve in a global society and be prepared for life beyond high school graduation.
- Explores multiple subject areas that reflect personal interests and abilities.

WORKPLACE SKILLS

- Attains and demonstrates productive work ethic, Professionalism, and personal responsibility.
- Communicates effectively in a variety of ways, and to a variety of audiences, to interact with individuals and within groups.
- Demonstrates workplace skills including collaboration, communication, creativity, critical thinking, problem solving, and responsible citizenship.

COMMUNITY ENGAGEMENT & CIVIC RESPONSIBILITY

- Makes connections and is involved in the community through civic opportunities.
- Demonstrates integrity, maintains personal health and wellness, and shows respect for others.
- Shows respect for diversity of individuals, groups, and cultures in words and actions.
- Understands and demonstrates citizenship by participating in community and government decision-making.

CAREER EXPLORATION

- Understands knowledge, skills and abilities sought by employers for career opportunities
- Aligns knowledge, skills, and abilities with personal interests to identify career opportunities.
- Sets goals for career, school and life and has knowledge of a variety of pathways, course work, and/or requirements to achieve goals.
- Develops skills to align to current workplace needs, and that adapt to evolving job opportunities.
- Applies skills and knowledge by participating in workplace experiences.

Critical Thinking, Creative Thinking, Collaboration, Communication, and Citizenship



How do I determine which career cluster is right for me?

Students were given a career interest inventory in Middle School to help identify their top three potential Career Clusters. The interest inventory will help students explore career options based on their likes and dislikes. Students can find a career they will love based on their personality and work values. Some sample Career Cluster Inventories can be found at:

- Wythe County students can log-in to their Major Clarity account at https://platform.majorclarity.com/signin
- https://careertech.org/sites/default/files/StudentInterestSurvey-English.pdf
- https://www.vawizard.org/wizard/careersAssess
- For additional information on Career Opportunities in all states go to http://www.careeroutlook.us/

If students change their minds, will they be able to change their pathways?

Absolutely! The WCPS Pathways or Career Clusters are not a permanent commitment. Students will continue to change their minds as their interests, likes, dislikes, and college and/or career aspirations change with their age and maturity. But it is good to get the discussion started now so students can use their time in high school to explore different career options.

Where can I find more information about college and/or career readiness?

The VA Department of Education has provided guidance on College and Career Readiness to prepare VA students for postsecondary education and employer expectations. For more information on their initiative go to https://www.doe.virginia.gov/parents-students/for-students/graduation/graduation-requirement-resources/academic-career-plan

The VA Education Wizard is a wonderful website to help secondary and post-secondary students in Virginia to career and/or college readiness. The IMAGINE tab on their website guides students to the reality of how much income is needed to live their preferred lifestyle. VA Wizard will help lead you down the path to building a career. For more information go to: https://www.vawizard.org/wizard/home

The VA Career and Technical Education Resource Center has provided students a way search for meaningful occupations either by browsing career clusters or by their favorite academic subject. To get more help finding a career to fit your interests, go to: https://www.cteresource.org/

The Wytheville Community College website has a fantastic link on to career pathways in our local region. Students can explore what the required criteria are for their career interests as well as what the salary range is for our region. For more information go to: http://www.wcc.vccs.edu/pathways