



Career Navigator

NAVIGATE THE PATH WITH G-W

To help students discover their interests for college or career, G-W applies the National Career Clusters® Framework in curriculum design. Explore the career clusters below and find the corresponding G-W resources for a variety of pathways.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Agribusiness Systems	<i>Exploring Agriculture, Food, and Natural Resources</i>	
	<i>Principles of Agriculture, Food, and Natural Resources</i>	NOCTI; YouScience
Animal Systems	<i>Animal Science</i>	AFNR Standards; CASE; NOCTI; YouScience
	<i>Small Animal Science and Care</i>	YouScience
Food Products and Processing Systems	<i>Adventures in Food and Nutrition*</i>	
	<i>Guide to Good Food</i>	NASAFACS; Pre-PAC; YouScience
	<i>Principles of Food Science</i>	
Natural Resources Systems	<i>Natural Resources Systems</i>	AFNR Standards; CASE; NOCTI; YouScience
Plant Systems	<i>Horticulture Today</i>	NOCTI; YouScience
	<i>Landscape Design, Installation, and Management</i>	AFNR Standards; Home Builder's Institute; YouScience
	<i>Principles of Floral Design</i>	AFNR Standards; NOCTI; YouScience
Power, Structural, and Technical Systems	<i>Agricultural Mechanics and Technology Systems</i>	NOCTI; YouScience
	<i>Diesel Engine Technology</i>	Automotive Service Excellence
	<i>Heavy Equipment Power Trains and Systems</i>	AED Foundation; Automotive Service Excellence
	<i>Small Gas Engines</i>	Equipment & Engine Training Council

ARCHITECTURE AND CONSTRUCTION

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Construction	<i>Cracking the Code: A Practical Guide to the NEC^{®***}</i>	National Electrical Code
	<i>Essential Electrical Skills for HVACR</i>	
	<i>Exploring Woodworking</i>	
	<i>Heating and Cooling Essentials</i>	
	<i>Hydronic Heating**</i>	
	<i>Math for Carpentry and Construction</i>	
	<i>Math for HVACR</i>	
	<i>Modern Carpentry</i>	Home Builder's Institute; YouScience
	<i>Modern Commercial Wiring</i>	National Electrical Code
	<i>Modern Masonry</i>	Home Builder's Institute
	<i>Modern Plumbing</i>	Home Builder's Institute
	<i>Modern Refrigeration and Air Conditioning</i>	ACCE; HVAC Excellence

* Middle School **College Level



ARCHITECTURE AND CONSTRUCTION *(continued)*

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Construction <i>(continued)</i>	<i>Modern Residential Wiring</i>	NOCTI; Home Builder's Institute; National Electrical Code
	<i>Print Reading for HVACR</i>	
	<i>Residential Wiring Concepts and Applications</i>	National Electrical Code
Design/Pre-Construction	<i>Architecture: Residential Drafting and Design</i>	American Drafting and Design Association
	<i>Exploring Drafting</i>	American Drafting and Design Association
	<i>Housing and Interior Design</i>	AAFCS Pre-PAC; YouScience
	<i>Interior Design</i>	FCS National Standards; Pre-PAC
	<i>Landscape Design, Installation, and Management</i>	AFNR Standards; Home Builder's Institute; YouScience
	<i>Print Reading for Construction</i>	

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS

Career Pathway	G-W Title	Industry-Based Certifications and Standards
A/V Technology & Film	<i>Television Production & Broadcast Journalism</i>	YouScience
	<i>Video: Digital Communication & Production</i>	YouScience
Journalism & Broadcasting	<i>Journalism: Publishing Across Media</i>	
Printing Technology	<i>Graphic Communications: Digital Design and Print Essentials</i>	Print[ED]
Visual Arts	<i>Apparel: Design, Textiles & Construction</i>	NOCTI; Pre-PAC; YouScience
	<i>Digital Photography</i>	YouScience
	<i>Fashion</i>	Pre-PAC
	<i>Housing and Interior Design</i>	YouScience
	<i>Interior Design</i>	Pre-PAC

BUSINESS MANAGEMENT AND ADMINISTRATION

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Administrative Support	<i>G-W Accounting</i>	NOCTI; YouScience
Business Information	<i>Principles of Digital Information Technology</i>	Certiport IC3, Microsoft Office Specialist
General Management	<i>Entrepreneurship</i>	A*S*K Institute; Certiport; YouScience
	<i>Marketing Dynamics</i>	A*S*K Institute; Certiport; YouScience
	<i>Principles of Business, Marketing, and Finance</i>	YouScience
	<i>Principles of Management</i>	YouScience
Human Resources	<i>Principles of Management</i>	YouScience

EDUCATION AND TRAINING

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Administration and Administrative Support	<i>Child Development</i>	Pre-PAC; YouScience
	<i>Exploring Life and Career</i>	Pre-PAC
	<i>Lifespan Development</i>	YouScience
	<i>Teaching</i>	YouScience
	<i>Working with Young Children</i>	NAEYC; NOCTI; Pre-PAC; YouScience



EDUCATION AND TRAINING *(continued)*

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Professional Support Services	<i>Interpersonal Relationships</i>	YouScience
Teaching/Training	<i>Child Development</i>	Pre-PAC; YouScience
	<i>Lifespan Development</i>	YouScience
	<i>Teaching</i>	YouScience
	<i>Working with Young Children</i>	NAEYC; NOCTI; Pre-PAC; YouScience

FINANCE

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Accounting	<i>AccountingPod for QuickBooks Online</i>	Intuit QuickBooks
	<i>G-W Accounting</i>	NOCTI; YouScience
Banking Services	<i>Banking & Financial Systems</i>	Jump\$tart
Business Finance	<i>Foundations of Financial Literacy</i>	Jump\$tart; YouScience
	<i>Math for Financial Literacy</i>	Jump\$tart; YouScience
Insurance	<i>Insurance Operations</i>	Jump\$tart

HEALTH SCIENCE

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Biotechnology Research and Development	<i>Introduction to Anatomy & Physiology</i>	NCHSE; HOSA; YouScience
Diagnostic Services	<i>Health Science Concepts and Skills</i>	NCHSE; HOSA; YouScience
	<i>Introduction to Medical Terminology</i>	NCHSE; HOSA
Health Informatics	<i>Medical Law & Professional Ethics**</i>	
Support Services	<i>Essential Skills for Health Career Success</i>	
Therapeutic Services	<i>Introduction to Health Science</i>	NCHSE; HOSA; YouScience
	<i>Introduction to Medical Terminology</i>	NCHSE; HOSA
	<i>The Nursing Assistant: Essentials of Holistic Care</i>	

HOSPITALITY AND TOURISM

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Recreation, Amusements, and Attractions	<i>Marketing Dynamics</i>	A*S*K Institute; NOCTI; YouScience
Restaurants and Food/Beverage Services	<i>Hospitality Services</i>	
	<i>The Culinary Professional</i>	American Culinary Federation; NOCTI; Pre-PAC; YouScience

HUMAN SERVICES

Career Pathway	G-W Title	Industry-Based Certifications and Standards
Counseling and Mental Health Services	<i>Lifespan Development</i>	YouScience
Early Childhood and Development Services	<i>Child Development</i>	Pre-PAC; YouScience
	<i>Lifespan Development</i>	YouScience



HUMAN SERVICES (continued)		
Career Pathway	G-W Title	Industry-Based Certifications and Standards
Early Childhood and Development Services	<u>Parents and Their Children</u>	
	<u>Principles of Human Services</u>	
	<u>Working with Young Children</u>	NAEYC; NOCTI; Pre-PAC; YouScience
	<u>Principles of Human Services</u>	
Personal Care Services	<u>Working with Young Children</u>	NAEYC; NOCTI; Pre-PAC; YouScience
	<u>Guide to Good Food</u>	NASAFACS; Pre-PAC; YouScience
	<u>Nutrition & Wellness for Life</u>	FCS National Standards; Pre-PAC; YouScience
	<u>Succeeding in Life and Career</u>	
	<u>The Nursing Assistant: Essentials of Holistic Care</u>	

INFORMATION TECHNOLOGY		
Career Pathway	G-W Title	Industry-Based Certifications and Standards
Information Support and Services	<u>Computer Service and Repair**</u>	CompTIA
Network Systems	<u>Networking Fundamentals**</u>	CompTIA
	<u>Principles of Cybersecurity</u>	CompTIA
	<u>Principles of Digital Information Technology</u>	Certiport IC3; Microsoft Office Specialist
	<u>Security Essentials**</u>	CompTIA
Programming and Software Development	<u>Introduction to Computer Science: Coding*</u>	
	<u>Introduction to Computer Science: Java Programming</u>	
Web and Digital Communications	<u>Certification Prep for Adobe</u>	Adobe

MANUFACTURING		
Career Pathway	G-W Title	Industry-Based Certifications and Standards
Maintenance, Installation, and Repair	<u>Industrial Maintenance and Mechatronics</u>	NIMS
Manufacturing Production Process Development	<u>GD&T: Application and Interpretation**</u>	American Design Drafting Association
	<u>Geometric Dimensioning and Tolerancing: Principles and Practices**</u>	American Design Drafting Association
	<u>Industrial Robotics Fundamentals: Theory and Applications</u>	
	<u>Machine Trades Print Reading</u>	
	<u>Print Reading for Industry**</u>	
	<u>Programmable Logic Controllers**</u>	
Production	<u>CNC Manufacturing Technology**</u>	NIMS
	<u>CNC Programmer's Guide</u>	NIMS
	<u>Machining Fundamentals</u>	NIMS
	<u>Modern Metalworking</u>	
	<u>Modern Welding</u>	American Welding Society
	<u>Welding Fundamentals</u>	American Welding Society

* Middle School **College Level



MARKETING		
Career Pathway	G-W Title	Industry-Based Certifications and Standards
Marketing Communications	<i>Professional Communication</i>	YouScience
Marketing Management	<i>Entrepreneurship</i>	A*S*K Institute; Certiport; YouScience
	<i>Marketing Dynamics</i>	A*S*K Institute; NOCTI; YouScience
Merchandising	<i>Fashion Marketing & Merchandising</i>	Pre-PAC; YouScience
Professional Sales	<i>Principles of Business, Marketing, and Finance</i>	YouScience

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)		
Career Pathway	G-W Title	Industry-Based Certifications and Standards
Engineering and Technology	<i>Engineering Fundamentals: Design, Principles, and Careers</i>	ITEEA
	<i>Exploring Design, Technology, & Engineering*</i>	ITEEA; TSA
	<i>Foundations of Engineering & Technology</i>	Framework for P-12 Engineering Learning; ITEEA; YouScience
	<i>Technology: Engineering Our World*</i>	ITEEA
Science and Mathematics	<i>Math for Automotive Technicians</i>	
	<i>Math for Carpentry and Construction</i>	
	<i>Math for HVACR</i>	
	<i>Math for Machinists</i>	
	<i>Math for Welders</i>	

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS		
Career Pathway	G-W Title	Industry-Based Certifications and Standards
Facility and Mobile Equipment Maintenance	<i>Advanced Driver Assistance Systems (ADAS)</i>	Automotive Service Excellence
	<i>ASE Automotive Suite**</i>	Automotive Service Excellence
	<i>Auto Collision Repair and Refinishing</i>	Automotive Service Excellence
	<i>Auto Fundamentals</i>	
	<i>Diesel Engine Technology</i>	Automotive Service Excellence
	<i>Electric Vehicles: A Systems Approach</i>	Automotive Service Excellence
	<i>Heavy Equipment Power Trains and Systems**</i>	Automotive Service Excellence; AED Foundation
	<i>Hydraulic Systems for Mobile Equipment**</i>	Automotive Service Excellence; AED Foundation
	<i>Maintenance and Light Repair Technician</i>	Automotive Service Excellence
	<i>Math for Automotive Technicians**</i>	
	<i>Modern Automotive Technology</i>	Automotive Service Excellence
	<i>Motorcycles: Fundamentals, Service, Repair**</i>	
	<i>Small Gas Engines</i>	Equipment & Engine Training Council

* Middle School **College Level



Start your FREE preview today: www.g-w.com/preview

Talk to your G-W Educational Consultant for personalized service: www.g-w.com/consultant