

2026-2027 Ritenour High School Career Clusters

1. Advanced Manufacturing
2. Agriculture
3. Arts, Entertainment, Design
4. Construction
5. Digital Technology

6. Education
7. Energy & Natural Resources
8. Financial Services
9. Healthcare & Human Services
10. Hospitality, Events, & Tourism

11. Management & Entrepreneurship
12. Marketing & Sales
13. Public Service & Safety
14. Supply Chain & Transportation

ADVANCED MANUFACTURING (Engineering)

9-12	- Engineering Essentials (no prereq) - Intro to Engineering Design (PLTW)
10-12	Principles of Engineering (PLTW)
11-12	Option: Aerospace Engineering
12 ONLY	Engineering Design and Development (PLTW)—Capstone Course

AGRICULTURE

9-12	
10-12	- Botany - Ecology/Environmental Science - Zoology
11-12	
12 ONLY	

ARTS, ENTERTAINMENT, DESIGN Fine Arts: Visual Art

9-12	- Art of World Cultures-Modern - Art of World Cultures to 1850 - Elements of Art - Drawing - Ceramics I - Computer Illustration - Computer Imaging I - Photography I
10-12	- Industrial Design - Sculpture - Painting I - Graphics - Computer Art Painting
11-12	- Ceramics II - Computer Imaging II - Painting II - Photography II - Portfolio Development
12 ONLY	

ARTS, ENTERTAINMENT, DESIGN Fine Arts: Music

9-12	- Chorale - Concert Band Brass and Percussion - Concert Band Woodwind - Electronic Guitar 1 - Electronic Guitar 2 - Beginning Piano - Symphonia (9th grade only)
10-12	- A Capella Choir - Audio Engineering - Chamber Choir - Chamber Orchestra - Chamber Wind Ensemble - Jazz Band - Mixed Chorus - Songwriting 101 - Symphonic Band - Symphonic Orchestra - The Voice
11-12	Theory and Harmony
12 ONLY	

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2026-2027 Ritenour High School Career Clusters (Continued)

ARTS, ENTERTAINMENT, DESIGN Fine Arts: Theatre

9-12	• Technical Theatre I • Technical Theatre II • Theatre Arts I • Theatre Arts II
10-12	• Theatre Arts III
11-12	
12 ONLY	

ARTS, ENTERTAINMENT, DESIGN Entertainment (Media)

9-12	• Introduction to Media Convergence • Newspaper, Beginning • Radio, Beginning • TV News & Video Production, Beginning • Yearbook, Beginning
10-12	• Newspaper, Advanced • Radio, Advanced • TV News & Video Production, Advanced • Drone Video Production & Photography • Yearbook, Advanced
11-12	• Intro to Mass Media Communications (DC)
12 ONLY	

ARTS, ENTERTAINMENT, DESIGN Design

9-12	• Focus on Design Fundamentals • Fashion Design • Landscape Design • Housing & Interior Design
10-12	• Clothing & Textiles
11-12	
12 ONLY	• Fashion/Interior Design and Merchandising Capstone

CONSTRUCTION

9-12	• Housing & Interior Design
10-12	
11-12	
12 ONLY	

DIGITAL TECHNOLOGY

9-12	• Computer Science Essentials (CSE) • Cybersecurity • Intro to Media Convergence
10-12	• Advanced Placement Computer Science Principles (CSP) • Drone Video Production and Photography
11-12	• Advanced Placement Computer Science (CSA)
12 ONLY	

EDUCATION

9-12	• Child Development I • Child Development II
10-12	• Child Development III (School Age Through Lifespan) • Working in Education
11-12	
12 ONLY	• Mentoring in Education

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2026-2027 Ritenour High School Career Clusters (Continued)

ENERGY & NATURAL RESOURCES	
9-12 (NO PREREQS)	Landscape Design
10-12 (PREREQS)	- Landscape Design - Botany - Astronomy
11-12 (PREREQS)	- Landscape Design - Botany - Astronomy
12 ONLY	

FINANCIAL SERVICES	
9-12 (NO PREREQS)	
10-12 (PREREQS)	- Principles of Business - Business Economics - Principles of Finance - Business Strategies - Business Economics - Wealth Management/ Personal Finance
11-12 (PREREQS)	- Principles of Finance - Principles of Management
12 ONLY (PREREQS)	Principles of Management

HEALTHCARE & HUMAN SERVICE	
9-12	Principles of Biomedical Science
10-12	Human Body Systems
11-12	Medical Interventions
12 ONLY	Capstone Course: Biomedical Innovation-Biomedical Science

HOSPITALITY, EVENTS & TOURISM	
9-12	- Food Handling & Safety - Culinary Arts I
10-12	- Baking & Pastry - International Cuisine (Culinary Art)
11-12	Culinary Arts II (Culinary Art)
12 ONLY	Hospitality & Technical Skills (Culinary Art)

MANAGEMENT & ENTREPRENEURSHIP	
9-12	AMPED - Algebra Manufacturing Processes Entrepreneurship & Design
10-12	Principles of Business; Business Economics; Personal Finance
11-12	Principles of Marketing; Principles of Finance; Principles of Management
12 ONLY	Business Strategies

MARKETING & SALES	
9-12	- AMPED - Algebra Manufacturing Processes Entrepreneurship & Design - Business Leadership
10-12	- Principles of Business - Personal Finance - Business Economics
11-12	- Principles of Marketing - Principles of Finance
12 ONLY	Business Strategies

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2026-2027 Ritenour High School Career Clusters (Continued)

PUBLIC SERVICE & SAFETY	
9-12	• JROTC
10-12	• Global Majority Studies (10th recommended by teacher) • Law and American Society • Philosophy • Psychology
11-12	• Crimes Against Humanity • Gender Studies
12 ONLY	

SUPPLY CHAIN & TRANSPORTATION	
9-12	
10-12	• Drone Video Production and Photography
11-12	
12 ONLY	