



UPDATED NOVEMBER 2025

BUSINESS AND INDUSTRY ENDORSEMENT

Agriculture, Food & Natural Resources Cluster

► Animal Science Pathway

Animal Science Pathway cannot be started until 10th grade year

Level 2: Small Animal - CT7104 / Large Animal Management - CT7108	0.5/0.5
Level 3: Advanced Animal Science - CT4411	1 credit
Level 4: Practicum in Animal Sci - CT7105 / Vet Medical App - CT7106	2 credits

Architecture & Construction Cluster

JH Course Option: Intro to CAD Architecture & Construction - CT7060

► Architectural Design Pathway

Level 1: Principles of Architecture - CT7130	1 credit
Level 2: Architectural I - CT7124	1 credit
Level 3: Architectural II - CT7121	2 credits
Level 4: Practicum in Architectural Design I - CT7129	1 credit

► Interior Design Pathway

Level 1: Principles of Architecture - CT7130	1 credit
Level 2: Interior Design I - CT7126	1 credit
Level 3: Interior Design II - CT7123	2 credits
Level 4: Practicum in Architectural Design I - CT7129	1 credit

Arts, Audio Video Technology & Communications Cluster

JH Course Option: Principles of Arts & AV - CT7024

► Digital Communications: Animation Pathway

Any Level: Arts & Entertainment Technology OnRamps - U7819	1 credit
Level 1: Digital Media - CT7503	1 credit
Level 2: Animation I - CT7204	1 credit
Level 3: Animation II - CT7213	2 credits
Level 3 or 4: 3D Modeling and Animation - CT7835	1 credit
Level 4: Practicum in Animation - CT7216	2 credits

► Digital Communications: Video Game Design Pathway

Level 1: Video Game Design - CT7234	1 credit
Level 2: Game Programming & Design - 7827	1 credit
Level 3: Video Game Programming - CT7235	1 credit
Level 4: Advanced Video Game Programming - CT7219	1 credit

Business, Marketing & Finance Cluster

JH Course Option: Principles of Business, Marketing & Finance - CT7021

► Entrepreneurship Pathway

Level 1: Foundations of Business Comm. & Technologies - CT7222	1 credit
Level 2: Entrepreneurship I - CT7608	1 credit
Level 3: Entrepreneurship II - CT7609	1 credit
Level 4: Pract in Entrepreneurship - CT7612 / Career Prep I - CT7248	2 or 3
Level 5: Career Prep I - CT7248 / Career Prep II - CT7251	2 or 3

► Marketing & Sales Pathway

Level 1: Principles of Business, Marketing & Finance - CT7220	1 credit
Level 2: Sports & Entertainment Marketing I - CT7602 / II - CT7614	0.5/0.5
Level 3: Social Media Marketing - CT7607 / Fashion Marketing - CT7601	0.5/0.5
Level 4: Practicum in Entrepreneurship - CT7612 / Career Prep I - CT7248	2 or 3

► Dual Credit PTECH Business Management Pathway

Level 1: PTECH Foundations of Business Comm. & Tech. Dual - CT7222D	1 credit
Level 2: PTECH Business Management Dual - CT7226D	1 credit
Level 3: PTECH Accounting I Dual - CT7305D	1 credit
Level 4: PTECH Practicum in Business Management Dual - CT7227D	2 credits

Hospitality & Tourism Cluster

JH Course Option: Principles of Hospitality & Tourism - CT7047

► Lodging and Resort Management Pathway

Level 1: Travel & Tourism Management - CT7402	1 credit
Level 2: Hotel Management - CT7434	1 credit
Level 3: Practicum in Hospitality I - CT7407 / Career Prep I - CT7248	2 or 3
Level 4: Practicum in Hospitality II - CT7408 / Career Prep II - CT7251	2 or 3

STEM Cluster

JH Course Option: Fundamentals of Computer Science - CT7028

► Automotive Pathway

Pathway cannot be started until 10th grade year

Level 2: Automotive Technology I - CT7702	2 credits
Level 3: Automotive Technology II - CT7703	2 credits
Level 4: Practicum of Transportation Systems - CT7710	2 credits

PUBLIC SERVICE ENDORSEMENT

Education and Training Cluster

JH Course Option: Principle of Human Services - CT7420

► On Level or Dual Credit Teaching & Coaching Pathway

Level 1: Principles of Education & Training - CT7240D	1 credit
Level 2: Child Development - CT7424 or Dual Credit - CT7424D	1 credit
Level 3: Instructional Practices - CT7242 or Dual Credit - CT7242D	2 credits
Level 4: Pract in Education & Training I - CT7232 or Dual Credit - CT7232D	2 credits

Health Science Cluster

*It is HIGHLY recommended that Health Science students choose Anatomy and Physiology as a Science credit

JH Course Option: Med Term - CT7033

► Dual Credit Emergency Medical Technician (EMT) Pathway

Level 1: Dual Credit Principles of Health Science - CT7339D	1 credit
Level 2: Dual Credit Health Science Theory - CT7332D	1 credit
Level 3: Dual Credit Practicum in Health Science I - CT7323D	2 credits
Level 4: Advanced Practicum in Health Science II EMT - CT7343	3 credits

► Dual Credit Patient Care Technician (PCT) Pathway

Level 1: Dual Credit Principles of Health Science - CT7339D	1 credit
Level 2: Dual Credit Health Science Theory - CT7332D	1 credit
Level 3: Dual Credit Practicum in Health Science I - CT7323D	2 credits
Level 4: Dual Credit Practicum in Health Science II - CT7334D	2 credits

Human Service Cluster

JH Course Option: Principles of Human Services - CT7420

► Counseling & Mental Health Pathway

Level 1: Principles of Counseling & Community Services - CT7913	1 credit
Level 2: Social & Community Services - CT7914	1 credit
Level 3: Counseling & Mental Health - CT7423	2 credits
Level 4: Practicum in Human Services I - 13025000 / II - 13025010	2 credits
Aligned substitution at any level: Interpersonal Studies - CT7446 /	
Lifetime Nutrition & Wellness - CT7422	0.5/0.5

STEM ENDORSEMENT

Information Technology Cluster

JH Course Option: Fundamentals of Computer Science - 7026

► Programming & Software Development Pathway

Level 1: AP Comp Sci Principles - 7805 / Computer Science I - 7808	1 credit
Level 2: AP Computer Science A - 7810 / Computer Science II - 7809	1 credit
Level 3: Computer Science III - 7815	1 credit
Level 4: Practicum in Info Tech - CT7515	2 credits
Level 4: Practicum in Entrepreneurship - CT7612	2 credits



DUAL CREDIT PATHWAY OPTIONS:

- Associates of Arts in Business Admin and Mgt
- Level 1 Certificate Health Science
- Associate of Arts in Patient Care Tech
- Associate of Arts in Teaching & Coaching



Students must complete at least 3 courses for 4 or more credits in the same pathway to be a CTE Completer. For more information visit www.risd.org/cte.

RHS MAGNET

BUSINESS AND INDUSTRY ENDORSEMENT

Arts, Audio Video Technology & Communication Cluster

► Digital Communications: Communications Magnet Pathway

Level 1: Principles of Arts, AV Technology - CT7200	1 credit
Level 2: Audio Video Production I - WT7205	1 credit
Level 3: Art & Media Communications - FAB153	1 credit
Level 4: Audio Video Production II - WT7206	1 credit
Level 5: Digital Audio Tech - CT7217 / Prac of Arts, AV Prod & Comms - WT2711	1 or 2

► Digital Communications: Game Design Magnet Pathway

Level 1: Principles of Arts, AV Technology - CT7200	1 credit
Level 2: AP Comp Sci Principles - 7810 / Animation I - CT7204	1 credit
Level 3: Video Game Design - CT7234 / Comp Sci I* - 7808	1 credit
Level 4: Video Game Programming - CT7235 / AP Comp Sci A* - 7810	1 credit
Level 5: Advanced Video Game Programming - CT7219 / Comp Sci III* - 7815	1 credit
*Optional	

Hospitality & Tourism Cluster

► Culinary Arts Magnet Pathway

Level 1: Intro to Culinary - WT7411	1 credit
Level 2: Culinary Arts - WT7403	2 credits
Level 3: Advanced Culinary Arts - WT7435	2 credits
Level 4: Practicum in Culinary Arts - WT7404	2 credits

Information Technology Cluster

► Web Design & Development Magnet Pathway

Level 1: Principles of Information Technology - WT7500	1 credit
Level 2: Computer Science I - 7808	1 credit
Level 3: Web Design - WT7831	1 credit
Level 4: Advanced User Experience Design - WT7516	1 credit
Level 5: Practicum in Information Technologies - WT7515	2 credits

Manufacturing Cluster

► Manufacturing Technology Magnet Pathway

Level 1: Diversified Manufacturing I - WT7545	1 credit
Level 2: Diversified Manufacturing II - WT7546	1 credit
Level 3: Precision Metal Manufacturing - WT7541	1 credit
Level 4: Advanced Precision Metal Manufacturing - WT7544	2 credits

► Engineering & Robotics Magnet Pathway

Level 1: Principles of Applied Engineering - CT7621	1 credit
Level 2: Engineering Design & Presentation - CT7622	1 credit
Level 3: Robotics I - CT7631	1 credit
Level 4: Robotics II - CT3050	1 credit
Level 5: Practicum of Engineering - CT####	2 credits

PUBLIC SERVICE ENDORSEMENT

Law and Public Service Cluster

► Legal Studies Magnet Pathway

Level 1: Political Science I - WT7318	1 credit
Level 2: Court Systems & Practices - WT7056	1 credit
Level 3: Legal Research & Writing - WT7058	1 credit
Level 4: Advanced Legal Research & Writing - WT7059	1 credit
Level 5: Mock Trial - WT7110	1 credit

STEM ENDORSEMENT

STEM Cluster

► App Development Magnet Pathway

Level 1: AP Computer Science Principles - 7805	1 credit
Level 2: Computer Science I - 7808	1 credit
Level 3: Mobile Application Development - W7514	1 credit
Level 4: Independent Study in Technology Applications - 7833	1 credit

► Cybersecurity Magnet Pathway

Level 1: AP Computer Science Principles - 7805	1 credit
Level 2: Foundations of Cybersecurity - W7509	1 credit
Level 3: Digital Forensics - W7513	1 credit
Level 4: Cybersecurity Captone - W7510	1 credit

► Computer Science Magnet Pathway

Level 1: AP Comp Science Principles - 7805	1 credit
Level 2: Computer Science - 7808	1 credit
Level 3: AP Computer Science A - 7810 / Discrete Math* - 7825D	1 credit
Level 4: Computer Science III - 7815 / Discrete Math* - 7825D	1 credit

*Optional



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DUAL CREDIT PATHWAY OPTIONS:

- Associates of Arts in Business Administration & Mgt
- Level 1 Certificate Health Science
- Associate of Arts in Medical Assisting
- Associate of Arts in Teaching & Coaching

RICHARDSON HIGH SCHOOL

Career and Technical Education Pathways



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