

BUSINESS AND INDUSTRY ENDORSEMENT

Agriculture, Food, and Natural Resources Cluster

► Animal Science Pathway

Level 1: Principles of AFNR — Animal Science - CT7101	1 credit
Level 2: Small & Large Animal Management - CT7104, CT7108	0.5/0.5
Level 3: Vet Medical App - CT7106	2 credits
Level 4: Practicum in Animal Science - CT7105	2 credits

Architecture and Construction Cluster

Middle School Course Option: Intro to CAD, Architecture & Construction - CT7060

► Architectural Design Pathway

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

► Construction Technology Pathway

Level 1: Principles of Construction - CT7127	1 credit
Level 2: Construction Technology I - CT7125	2 credits
Level 3: Construction Technology II - CT7122	2 credits
Level 4: Practicum in Construction Technology - CT7132	2 credits

Arts, Audio Video Technology & Communication Cluster

Middle School 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: AV Production Pathway

Level 1: Principles of Arts, AV Technology & Communication - CT7200	1 credit
Level 2: Audio Video Production I - CT7205	1 credit
Level 3: Audio Video Production II - CT7206	2 credits
Level 3 or 4: Digital Audio Technology - CT7217	1 credit
Level 4: Practicum of Arts, AV Comm I - CT7211	2 credits
Level 5: Practicum of Arts, AV Comm II - CT7247	2 credits

Business, Marketing & Finance Cluster

► Entrepreneurship Pathway

Level 1: Foundations of Business Comm. and 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

► Marketing & Sales Pathway

Level 1: Digital Media - CT7503	1 credit
Level 2: Sports and Entertainment Marketing I - CT7602 / II - CT7614	0.5/0.5
Level 3: Social Media Marketing - CT7607 / Advertising - CT7613	0.5/0.5
Level 4: Pract in Entrepreneurship - CT7612 / Career Prep I - CT7248	2 or 3
Level 5: Career Prep I - CT7248 / Career Prep II - CT7251	3 credits

PUBLIC SERVICE ENDORSEMENT

Education and Training Cluster

Middle School 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

Middle School 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 Services Cluster

Middle School Course Option: Principles of Cosmetology - CT7049

► Barbering Pathway

Level 1: Introduction to Barbering - CT7439	1 credit
Level 2: Barbering I - CT7437	2 credits
Level 3: Barbering II - CT7438	2 credits
Level 4: Microbiology & Safety for Barbering - CT7910	1 credit

► Cosmetology Pathway (Begins in Grade 11)

Level 3: Cosmetology I + Cosmetology I Lab - CT7428	3 credits
Level 4: Cosmetology II + Cosmetology II Lab - CT7429	3 credits
Level 4: Microbiology & Safety for Cosmetology - CT7910	1 credit

Law and Public Safety Cluster

Middle School Course Option: Principles of Law, Public Safety, C & S - CT7052

► Law Enforcement Pathway

Level 1: Principles of Law CT7520	1 credit
Level 2: Law Enforcement I - CT7521	1 credit
Level 3: Law Enforcement II - CT7522	1 credit
Level 4: Correctional Services - CT7523	1 credit
Level 5: Practicum in Law - CT7525	2 credits

STEM ENDORSEMENT

Information Technology Cluster

Middle School Course Option: Fundamentals of Computer Science - 7026

► Programming & Software Development Pathway

Level 1: Computer Science I - 7808 / OnRamps - U7808	1 credit
Level 2: AP Computer Science A - 7805 / Computer Sci II - 7809	1 credit
Level 3: Computer Science III - 7815	1 credit
Level 4: Practicum of Info Tech - CT7515	2 credits



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.



DUAL CREDIT PATHWAY OPTIONS:

- Associates of Arts, Business Level 1
- Certificate Criminal Justice Level 1
- Certificate Health Science Level 1
- Associate Arts in Patient Care Tech
- Associate of Arts in Teaching and Coaching

LAKE HIGHLANDS HIGH SCHOOL Career and Technical Education Pathways



UPDATED DECEMBER 2025