Agriculture

This career cluster focuses on producing agricultural goods. This includes food, plants, animals, and crops. You might work on a farm, ranch, dairy, orchard, greenhouse, or plant nursery. You could also work in a clinic or laboratory as a scientist or engineer.

Careers Include

- Forest Fire Fighter
- Biochemist
- Food Inspector
- Cartographer
- Farm Worker
- Environmental Scientist

Typical Interests

- Enjoys nature
- Taking care of pets or animals
- Caring about the environment
- Gardening
- Working outdoors

High School Areas of Focus

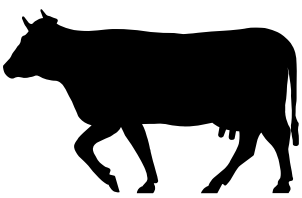
- Science
  - Biology
  - Chemistry
  - Earth Science
  - Natural History
- Math
  - Statistics

Related CMSD College & Career Pathway

- Agriculture & Environmental Systems









Energy & Natural Resources

This career cluster focuses on renewable fuel production, power generation and energy conversion, utilities, environmental research, and resource extraction. Careers in this cluster are dedicated to creating a sustainable future, innovating cleaner energy solutions, and preserving our planet's natural resources for future generations.

Careers Include

- Oil Engineer
- Geologist
- Power Plant Operator
- Environmental Scientist
- Clean Energy Specialist

Typical Interests

- Enjoys nature
- Solving problems
- Caring about the environment
- Working outdoors
- Reducing pollution

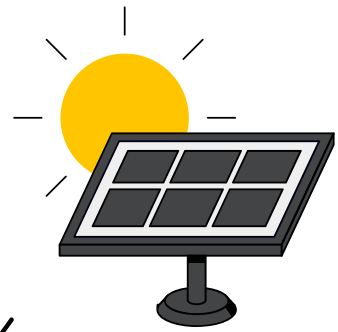
High School Areas of Focus

- Science
  - Biology
  - Chemistry
  - Earth Science
  - Natural History
- Math
  - Statistics

Related CMSD College & Career Pathway

- Agriculture & Environmetal Systems
- Engineering & Science Technology







Construction

Careers in this cluster focus on buildings and other structures, including highways, bridges, houses, and buildings. You might create designs or plans for new structures, or use the plans to build or manage the workers on the project. Some construction workers are skilled in trades such as carpentry, painting, plumbing, electrical work, or landscaping.

Careers Include

- Architect
- Carpenter
- Roofer
- Civil Engineer
- Brick Mason
- Electrician
- Plumber
- Landscaper

Typical Interests

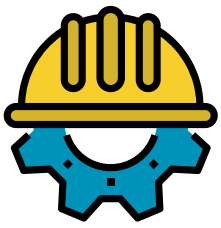
- Enjoy working with your hands
- Problem solving
- Enjoys home improvement projects
- Math or science
- Working outside
- Building things

Related CMSD College & Career Pathway

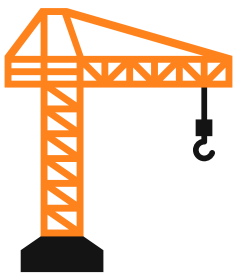
- Manufacturing Technologies
- Construction Technologies

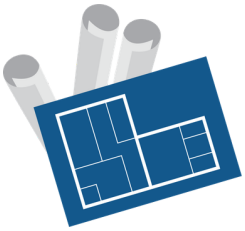
High School Areas of Focus

- Carpentry
- Math
- CAD (Computer-Aided Design)
- Construction
- Civil Engineering
- Electronics









Arts, Entertainment, and Design

This career cluster combines creative roles in visual and performing arts, film, journalism, fashion, interior design, and creative technologies. This cluster focuses on creating, producing, and sharing artistic and design work across multiple platforms, aiming to entertain, inform, beautify, and inspire.

Careers Include

- Artist
- Dancer
- Actor
- Singer
- Radio Broadcaster
- Podcaster
- Graphic Designer
- Professional Athlete

High School Areas of Focus

- Art
- Video Editing
- Photography
- Fashion Design
- Music
- Graphic Design

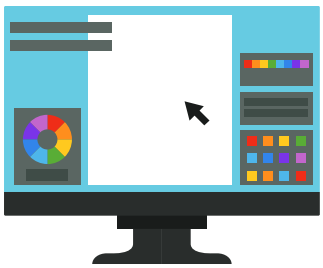
Typical Interests

- Drawing
- Performing (music, drama or dance)
- Creating videos or podcasts
- Painting
- Being creative
- Making jewelry or sculptures
- Pottery

Related CMSD College & Career Pathway

- Arts & Communication







Management & Entrepreneurship

This career cluster involves skills and occupations focusing on business administration, strategic planning, workforce management, and entrepreneurship. This cluster makes sure that businesses meet their goals, adapt to market changes, and stay competitive.

Skills gained through this career cluster are applicable across all career clusters.

Careers Include

- Business Owner
- Office Manager
- Consultant
- Executive Assistant
- Chief Executive Officer
- Operations Manager
- Payroll Clerk

Typical Interests

- Running your own business
- Being captain of a sports team
- Organizing a fundraiser
- Learning about the economy
- Managing tasks for a group
- Organizing a school event

High School Areas of Focus

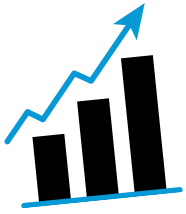
- Economics
- Business
- English
- Leadership Courses
- Public Speaking
- Accounting

Related CMSD College & Career Pathway

- Business & Administrative Services









Education

People working in this cluster educate, train, and guide others. As a teacher, you could influence lives. You could also support the work of a classroom teacher as a counselor, librarian, or principal. You could coach sports activities or lead community classes.

Careers Include

- Teacher
- School Counselor
- College Advisor
- Librarian
- School Principal
- Fitness Instructor
- Museum Coordinator
- Interpreter or Translator
- Sports Coach

Typical Interests

- Working with people
- Problem solving
- Helping others
- Love to learn
- Sharing ideas
- Being a leader
- Teaching / training

Related CMSD College & Career Pathway

- Education & Teaching

High School Areas of Focus

- English
- Leadership courses
- Math
- Science
- History
- Sociology
- Psychology
- Anthropology







Financial Services

This career cluster is for people who like to work with money, plan for the future, and help others manage their finances. These careers are all about handling financial transactions, from small savings accounts to huge loans for businesses.

Careers Include

- Auditor
- Accounts Payable
- Bank Teller
- Loan Officer
- Insurance Officer
- Investor
- Credit Analyst
- Real Estate Agent

High School Areas of Focus

- Business
  - Economics
  - Business Law
- Math
  - Statistics
  - Algebra

Typical Interests

- Investing money
- Developing a budget
- Using spreadsheets
- Studying the stock market
- Analyzing data
- Working with numbers
- Solving math equations

Related CMSD College & Career Pathway

- While there is not a specific pathway for finance, all CMSD schools offer math classes which are a great step towards a career in finance
- What are some out-of-school activities you can participate in to explore a career in finance?









Public Service & Safety

This career cluster involves jobs in local, state, and federal government, legal and justice systems, security, and military operations. The goal for this career cluster is to ensure the well-being and security of communities, states, and countries.

Careers Include

- Government Investigator (FBI, CIA, etc.)
- City Manager
- Mayor
- Senator
- Lawyer
- Police Officer
- Transportation Security Agent (TSA)

High School Areas of Focus

- Business
- Law
- Economics
- Government
- History
- Psychology
- First Aid / Health





Typical Interests

- Participating in debates
- Making speeches
- Participating in student government
- Reading mystery novels
- Resolving conflicts
- Enforcing rules
- Helping others

Related CMSD College & Career Pathway

- While there is not a specific pathway for Public Service & Safety, all CMSD schools offer classes that would be related and a great step towards a career in Public Service & Safety.
- What are some out-of-school activities you can participate in to explore a career in Public Service & Safety?





Healthcare & Human Services

This career cluster promotes health for all individuals through many types of services. Skills developed in this cluster range from working in hospitals, therapists' offices, or community clinics to working in a hair or nail salon or barbershop.

Careers Include

- Doctor
- Nurse
- Athletic Trainer
- Dietitian
- Dentist
- Physical Therapist
- Music or Art Therapist
- Surgeon
- Nail Technician
- Cosmetologist

High School Areas of Focus

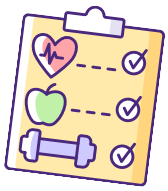
- Science
  - Biology
  - Anatomy
- Psychology
- Health
- Physical Education
- First Aid

Typical Interests

- Helping others
- Learning how the body works
- Volunteering at a hospital or nursing home
- Enjoy working out
- Working with people
- Schoolwork or studying
- Science or Biology

Related CMSD College & Career Pathway

- Health Science
- Human Services









Hospitality, Events, & Tourism

This career cluster is all about creating fun experiences and providing services for people traveling and enjoying their free time, like hotels, restaurants, and theme parks. It includes jobs where you help people find a place to stay, get a good meal, plan a trip, or have a great time at an event or attraction.

Careers Include

- Camp Counselor
- Travel Agent
- Hotel Manager
- Chef, Cook, Baker, or Server
- Tour Guide
- Theme Park Attendant
- Lifeguard
- Flight Attendant
- Cruise Director

High School Areas of Focus

- English
- Physical Education
- Culinary Program
- Leadership courses
- Business
- Sociology

Typical Interests

- Meeting new people
- Helping others
- Planning trips or events
- Participating in sports
- Working in restaurants
- Customer Service
- Problem Solving
- Being Organized

Related CMSD College & Career Pathway

- Hospitality & Tourism







Digital Technology

This career cluster focuses on careers that involve computers and technology. It covers everything from making computer hardware and software to helping people fix their tech issues. Digital Technology is rapidly growing and constantly changing, and has a big impact on society and the economy.

Skills gained through this career cluster are applicable across all career clusters.

Careers Include

- Database Administrator
- Network Systems Analysts
- Web Developer
- Software Engineer
- Cyber Security
- Unmanned Vehicle Technician
- Video Game Designer
- App Developer
- IT Support Specialist

Typical Interests

- Playing video games
- Developing web pages
- Learning about computers
- Analyzing data
- Coding
- Artificial Intelligence

Related CMSD College & Career Pathway

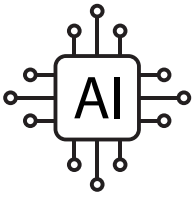
- Information Technology

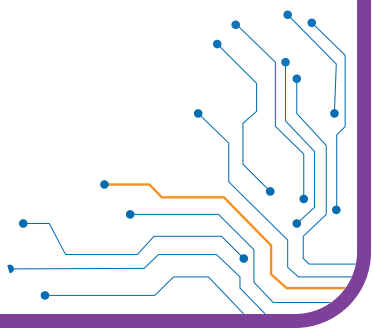
High School Areas of Focus

- Advanced Math
- Computer Science
- Information Systems
- Applied Technology
- Web Design
- Programming Languages









Advanced Manufacturing

This career cluster is all about making things! In manufacturing, you turn raw materials into things people need, like phones, cars, clothes, and even food. You can work with your hands to build products, use special machines, or use your creative skills to design how things are made. Manufacturing helps society by making all sorts of products we use every day.

Careers Include

- Machine Operator
- Welder
- Furniture Builder
- Industrial Equipment Repair
- Assembly
- Packing Specialist
- Warehouse Manager

High School Areas of Focus

- Math
- Shop Mechanics
- Electronics
- Robotics
- Maintenance
- Metalworking
- Carpentry

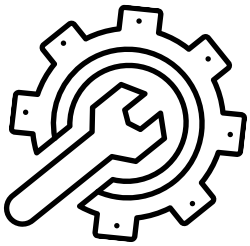
Typical Interests

- Building things with your hands
- Basic home repairs
- STEM
- Working with machinery
- Finding better solutions
- Detail oriented
- Precise results

Related CMSD College & Career Pathway

- Engineering & Science Technology
- Manufacturing Technologies







Marketing & Sales

This career cluster is all about connecting with people to get them interested in and excited about specific products and services. It's about figuring out what customers want and coming up with a plan to sell it to them. Think of it as the hub for advertising, selling, and helping customers.

Skills gained through this career cluster are applicable across all career clusters.

Careers Include

- Salesperson
- Retail Buyers
- Marketing Specialist
- Advertisement
- Order Entry Specialist
- Fashion Model
- Car Dealer

Typical Interests

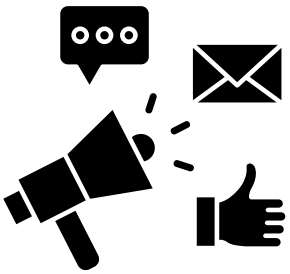
- Sell products for fundraisers
- Convincing people to buy things
- Building relationships with people
- Meeting new people
- Setting and completing goals
- Negotiation
- Good at multi-tasking
- Ambitious

High School Areas of Focus

- Business
- Speech / Public Speaking
- Math
- English
- Marketing
- Accounting
- Communication
- Psychology
- Economics

Related CMSD College & Career Pathway

- Business & Administrative Services







Supply Chain & Transportation

This career cluster is all about getting people and things from one place to another safely, quickly, and affordably. It includes every step of the journey, from planning and scheduling to driving, repairing, and managing equipment or warehouses.

Careers Include

- Commercial Pilot
- Air Traffic Control
- Cargo Handler
- Bus and Auto Mechanics
- Boat Captain
- Train Conductor
- Bus Drivers
- Truck Driver
- Warehouse Manager

High School Areas of Focus

- Math
- English
- Communication
- Geography
- Business
- Drivers Education
- Truck Driving / Commercial Drivers Licensure

Typical Interests

- Flying, driving, or boating
- Working on cars, bikes, etc.
- Working on a team
- Strong communication skills
- Caring about the safety of others
- Problem solving
- Multi-tasking
- Organization

Related CMSD College & Career Pathway

- Innovative Pathways
- Transportation Systems

