



Welcome to the world of Career and Technical Education (CTE) where we prepare students for college and career success by combining academic learning with hands-on, real-world experiences. It equips students with industry-specific skills, early college credit opportunities, and internships, helping them gain a competitive edge.

St. Louis Park High School's CTE program includes Career Pathways, offering a structured approach to career exploration and preparation. Our Career Pathways include Business & Marketing, Communication Technology, Computer Science, Construction, Engineering, Health Sciences, and Law & Public Policy.

By following a Career Pathway, students gain hands-on experience, a clearer sense of direction, and a competitive edge in both post-secondary education and future careers.



## Health Science

Dive into the fast-paced world of healthcare. Gain knowledge and skills in medical terminology, patient care, anatomy, and health systems. Hands-on learning prepares students for careers such as nursing, medical assisting, or even advanced medical studies.

### Sample Careers:

- Registered Nurse
- Medical Technician
- Physical Therapist



## Computer Science

Step into the dynamic field that equips students with technical and problem-solving skills needed for careers in software development, cybersecurity, data science, and IT support. It blends classroom instruction with hands-on experiences in coding, networking, and emerging technologies.

### Sample Careers:

- Software Developer
- Data Analyst
- Cybersecurity Specialist



# Construction

Engage in hands-on projects where students read blueprints, build models, and use industry tools and equipment. They will learn construction processes, materials, and safety protocols, preparing them for careers in building and designing structures.

## Sample Careers:

- Carpenter
- Electrician
- Construction Manager



# Education

Engage in a variety of ways to explore careers in teaching, counseling, and advocacy, including hands-on projects, teaching simulations, mentorship, and learning from local experts. Develop valuable skills in communication, leadership, and cultural awareness, preparing for further education.

## Sample Careers:

- Teacher
- School Counselor
- Curriculum Specialist



# Engineering

Solving real-world challenges, students will build robots, design structures using CAD software, and work on mechatronics systems. They will apply problem-solving, design, and technical skills in robotics, electronics, and engineering to create innovative solutions.

## Sample Careers:

- Mechanical Engineer
- Robotics Technician
- Manufacturing Specialist



# Law/Public Policy

Explore careers in law, government, public systems, and policy-making by learning how laws are created, how courts function, and how public policies impact communities. Gain insight into ethical issues and the wide range of careers in these fields through hands-on projects, real-world experiences, and guidance from guest speakers and industry advisors.

## Sample Careers:

- Lawyer
- Paralegal
- Public Policy Analyst



# Communication Technology

Actively produce digital content by working on projects such as creating videos, designing graphics, writing articles, and managing social media accounts. Gain practical experience with industry-standard software and tools, honing skills in media creation and communication.

## Sample Careers:

- Graphic Designer
- Video Editor
- Social Media Manager



# Business & Marketing

**Build. Brand. Succeed.** The future in business starts here—preparing students for careers in business, finance, entrepreneurship, and marketing. Through a mix of classroom learning, hands-on projects, and industry experience, students develop essential business skills. This program provides a strong foundation for both career success and further education in business-related fields.

## Sample Careers:

- Entrepreneur
- Marketing Specialist
- Financial Analyst

# Career Pathway Courses

## Business & Marketing

Advertising & Promotion  
IB Business Management  
Introduction to Accounting   
Personal Financial Management  
Personal Financial Management   
School Store Operations I  
School Store Operations II   
Leadership Development

## Communication Technology

Digital Artwork Design   
Digital Photo Editing   
Page Layout Design   
Photography   
Fundamentals of Graphic Design   
Journalism: Audio for Media 

## Computer Science

Introduction to Computer Science   
Video Game Design   
Computer Hardware & Cyber Security Fundamentals   
AP Computer Science A

## Construction

Construction Technologies   
Woodworking I   
Woodworking II 

## Education

Introduction to Urban Education & Reflective Teaching   
Multicultural Education 

## Engineering

Level 1: Engineering Investigation  
Level 2: Engineering/Product Development  
Mechatronics

## Health Science

Certified Nursing Assistant   
Introduction to Exercise Science   
Exercise Physiology   
Medical Terminology 

## Law and Public Policy

Law & Public Policy  
Introduction to Criminal Justice 



**Articulated** - One  
College Credit Available



**Concurrent** - Three  
College Credits Available



# Work-Based Learning

## Apprenticeship/Internship Program

The apprenticeship/internship program provides students with hands-on work experience, the opportunity to earn high school credit, potential industry certifications, and, in many cases, paid work, helping them develop skills, explore careers, and build professional connections.

## Benefits of CTE Career Pathways

- **Hands-On Learning** – Engages students with real-world skills.
- **Career Exploration** – Helps students discover interests early.
- **Work Experience** – Offers internships, job shadows, and apprenticeships.
- **College & Cost Savings** – Earns early college credits, reducing tuition.
- **Job Market Readiness** – Prepares students for in-demand, well-paying careers.
- **Soft Skills Development** – Strengthens teamwork, communication, and leadership.
- **Flexible Pathways** – Supports college, workforce, and technical training goals.
- **Career Pathway Advisory Board** – Bridging the gap between education and industry.



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