



# *Thrive*

*Career Pathways*



DEFINING EXCELLENCE

# Vision



# 2027

---

Every Edina High School graduate has had the opportunity to explore career options through

- Related Coursework
  - Internship / Apprenticeship
  - Microcredential



# How Do We Define A Pathway?



**Sequence of  
Coursework**

**+**



**Career  
Experience**

**+**



**Credentialing**

# Purpose

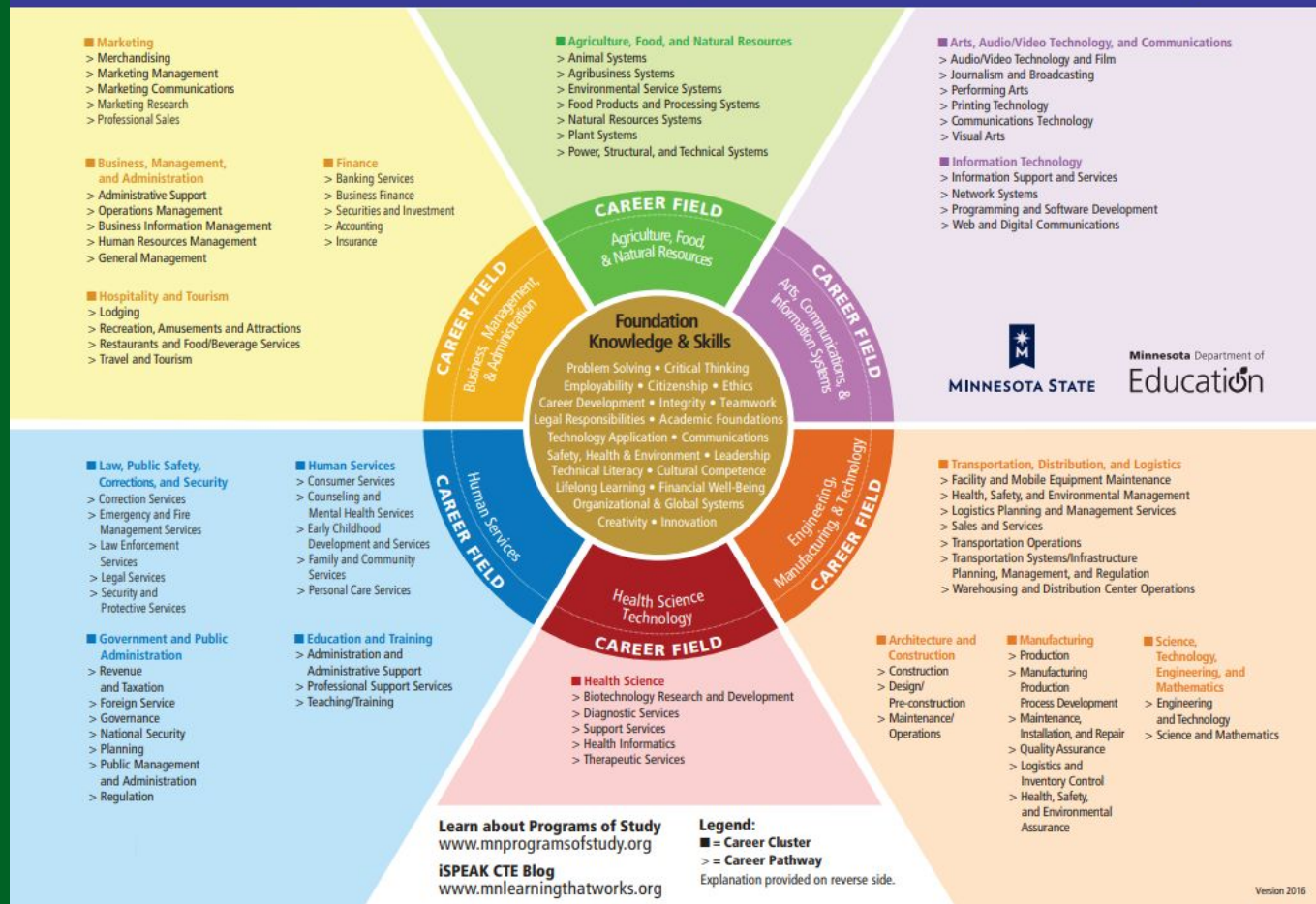




## Youth Career Pathways: Purpose

- Over a century in the making (origin 1917)
- 2006 Carl Perkins Act - Career and Technical Education
- MN Programs of Study - [Career Wheel](#)
- Immersed in World's Best Workforce (2013)
- Embedded in Every Student Succeeds Act (ESSA, 2015)
- Talent Pipeline tied to Careers in Demand

# Minnesota Career Fields, Clusters & Pathways



Where Do You Live?

Seven County Mpls-St ...

Search For An Occupation

Required Education

(All)

Select Career Cluster

Click again to clear filter



## Seven County Mpls-St Paul, MN Occupations In Demand, 2022

Reset Filters

Current

Demand

(Highest Demand)

4

3

2

Rank Occupation

30 Computer Systems Analysts

43 Computer User Support Specialists

50 Computer and Information Systems Managers

67 Network and Computer Systems Administrat..

119 Information Security Analysts

141 Computer Network Support Specialists

164 Computer Network Architects

166 Computer Programmers

268 Technical Writers

322 Computer and Information Research Scientis..

Educational

Requirements

Bachelor's Degree

Vocational Training

Bachelor's Degree

Bachelor's Degree

Bachelor's Degree

Associate's Degree

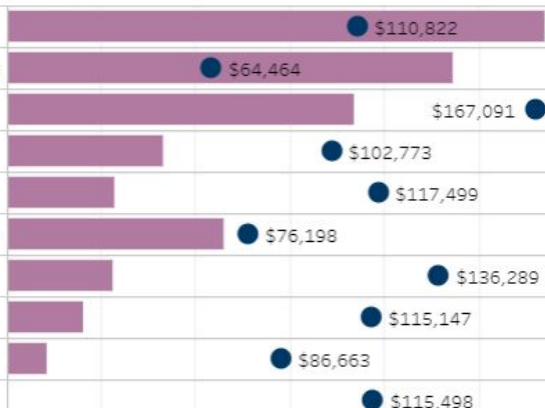
Bachelor's Degree

Bachelor's Degree

Bachelor's Degree

Graduate Degree

Wages in chart are the median annual wage

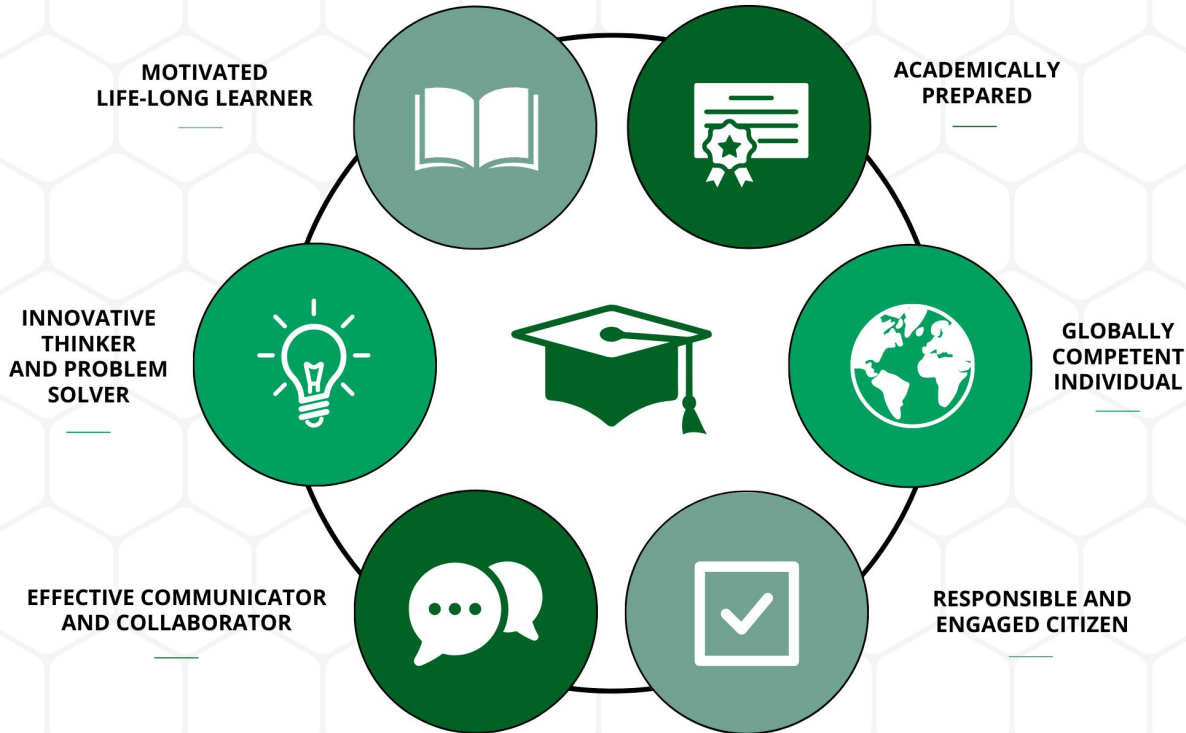


2,000 4,000 6,000 8,000 10,000

Employment

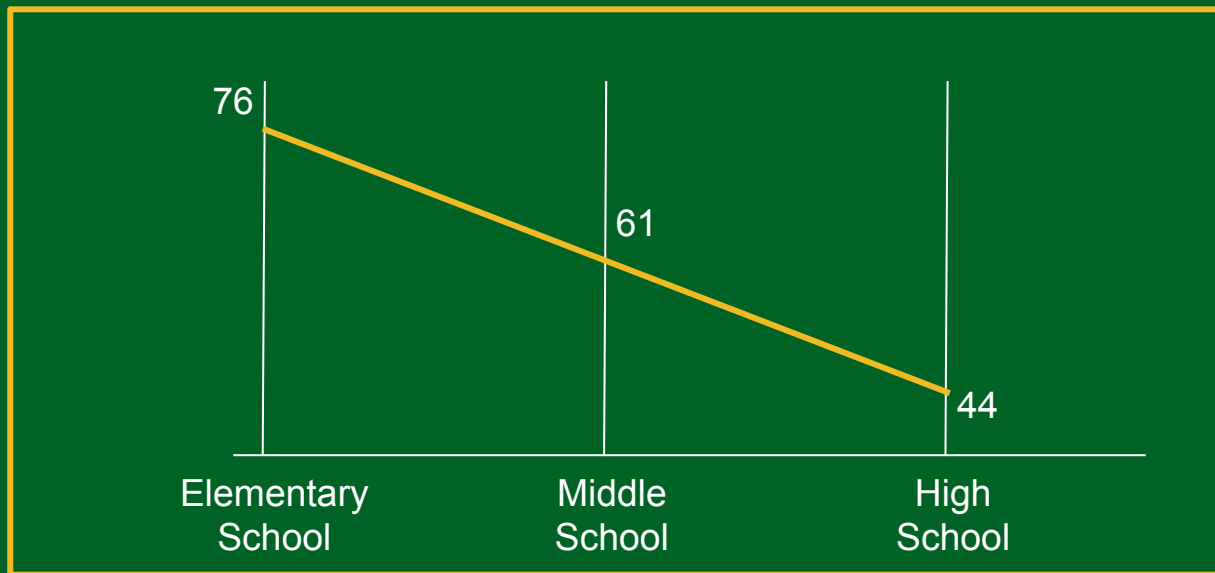


## Portrait of a Well-Rounded Edina Graduate



# The Gallup Student Poll

## Student Engagement Over Time



■ % Engaged

# Pathways Design Process

## Pathways Design Process:

- Strategic Plan Development
- Business Roundtable
- Stanford Design 6-12 Workshop
- CTE Advisory Team
- Pathways Project Team

## Pathways Feedback Sessions:

- Special Education Advisory Committee
- SV Area Leaders
- VV Area Leaders
- EHS Area Leaders
- CTE Advisory
- K-12 Principals
- Cabinet
- World's Best Workforce
- 9th Grade Career Interest Survey
- Teaching and Learning Board  
Committee
- School Board

# Phase I

**Bundle Existing Opportunities**



# Phase 1 - Four Pathways

## 2024 - 2025 EHS Registration

<b>Career Fields 2024-25</b>	<b>Clusters</b>	<b>Pathways</b>
<b>Engineering, Manufacture &amp; Technology</b>	Transportation and STEM	Engineering Aviation/Aerospace
<b>Agriculture, Food</b>	Agriculture, Food, and Natural Resources	Environmental Sustainability
<b>Arts &amp; Comm</b>	Information Technology	Programming & Software Development

# General Experiences an Edina Student May Have in ALL Pathways

## Early Learning

- Projects, challenges
- Professional Guest Speakers
- Daily Routines
- Experiential Learning
- Curriculum Based Units of Study

## Elementary

- Projects, challenges, competitions
- Professional Guest Speakers
- Classroom Lessons aligned with curriculum
- Media Specialist Instruction

## Middle

- Course Options
- Project work based on career fields, competitions
- Learning Profiles: Interest Inventories
- Career discussion/exploration during Advisory
- Career based field trips
- Professional Guest Speakers
- Microcredentials

## High

- Course Options
- Project work based on career fields, competitions
- Self-assessments
- Mentors
- Career based field trips
- Professional Guest speakers
- Internships, Micro-apprenticeships
- Industry certifications

PLAY

EXPLORE

ENRICH

ENGAGE

# Programming Pathway: Current School Day Sponsored Opportunities

## Early Learning

Un-plugged instruction building foundational programming skills are embedded into daily routines and experiential learning.

Curriculum based camera study

## Elementary

Media Specialists

K-2

Block Coding:

- Robot movement
- Digital Animation

3-5

Coding for Problem solving:

- Robot tasks
- Basic Programming

Foundational programming skills are embedded into Math and Science curriculum.

## Middle

Elective Course Options:

6th Grade

Engineering Exploration

7th Grade

Design & Modeling Robotics & Automation

Media Arts/Coding

8th Grade

Coding

## High

AP Computer Science Principles with 4 possible certifications

AP Computer Science Java with 2 possible certifications

Game Design

Independent Language Design with College Credit and certification options

Work Based Learning - Ex. Genesys and Target Internships

PLAY

EXPLORE

ENRICH

ENGAGE

## Proposed Programming Pathway Experiences - Using Existing Courses

	Grade 9	Grade 10	Grade 11	Grade 12
<b>Required Course Options for Programming</b>	Ap Comp Science Principles Algebra 1	AP Comp Science Java Algebra 2	Game Design	Work Based Learning Independent Design Language
<b>Programming Elective Course Options</b>	N/A	N/A	DECA Digital Design Personal Finance	Cybersecurity Web Page Coding
<b>Clubs &amp; Competitions</b>	Robotics and Coding, Shark Tank			
<b>Internship / Apprenticeship</b>	N/A	N/A	TBD	Ex. Genesys Works Target
<b>Credentials</b>	Program 1 CS Principles Program 2 Python AV Program Python	Program 2 for Java AV Program for Java	CS Program 2	



## 2022-23 Ninth Grade Career Interest Survey

- **Over 700 student responses in the survey**
- **Option to select interest in 16 different career areas**
- **Alignment with Phase I**
  - **7.5% or 55 selected engineering**
  - **5% opted for information technology**

*Phase II career highlights - healthcare (23% or 168), management (16.6% or 121), and education (7% or 51)*



# Phase II

**Bundle Existing Opportunities  
+ Build Where Needed**



# Phase 2

## 2025 - 2026 EHS Registration

<b>Career Fields 2025-26</b>	<b>Clusters</b>	<b>Pathways</b>
<b>Business, Management &amp; Administration</b>	Business, Hospitality, Finance	TBD
<b>Health Science Technology</b>	Health Science	TBD
<b>Human Services</b>	Education	Teacher, Professional Support Services

# Programming Pathway: Current Community Education Sponsored Opportunities

**Early Learning**

**Elementary**

**Middle**

**High**

**PLAY**

**EXPLORE**

**ENRICH**

**ENGAGE**

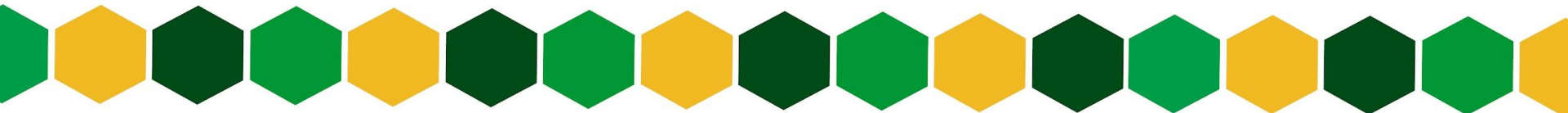
Coding  
Code  
Championship  
Tournament  
  
Minecraft  
Engineering (2-8)  
  
STEAM TEAM  
Club (K-2)  
  
Robots and  
Machines (K-5))

Architecture &  
Design  
  
3D Minecraft  
Creations (4-8)  
  
Coding Hacking Java  
Games  
  
Web Design  
  
Rocket Builder  
Design

# Credentialing Process

- Two ways to earn credentials
  - EPS Coursework
  - EPS Coursework + Work Experience
- Credentialing Agency
  - [YouScience Credentialing Program](#)
  - Others?

- Examples of Credentials/License
  - Biliteracy Seal - State of MN
  - EMT - Dept of Transportation
  - Computer Programming (Java) - Exam
  - Travel Logistics Certification: GDS (Global Distribution System is through the International Air Transport Association)



**Thank you!**

