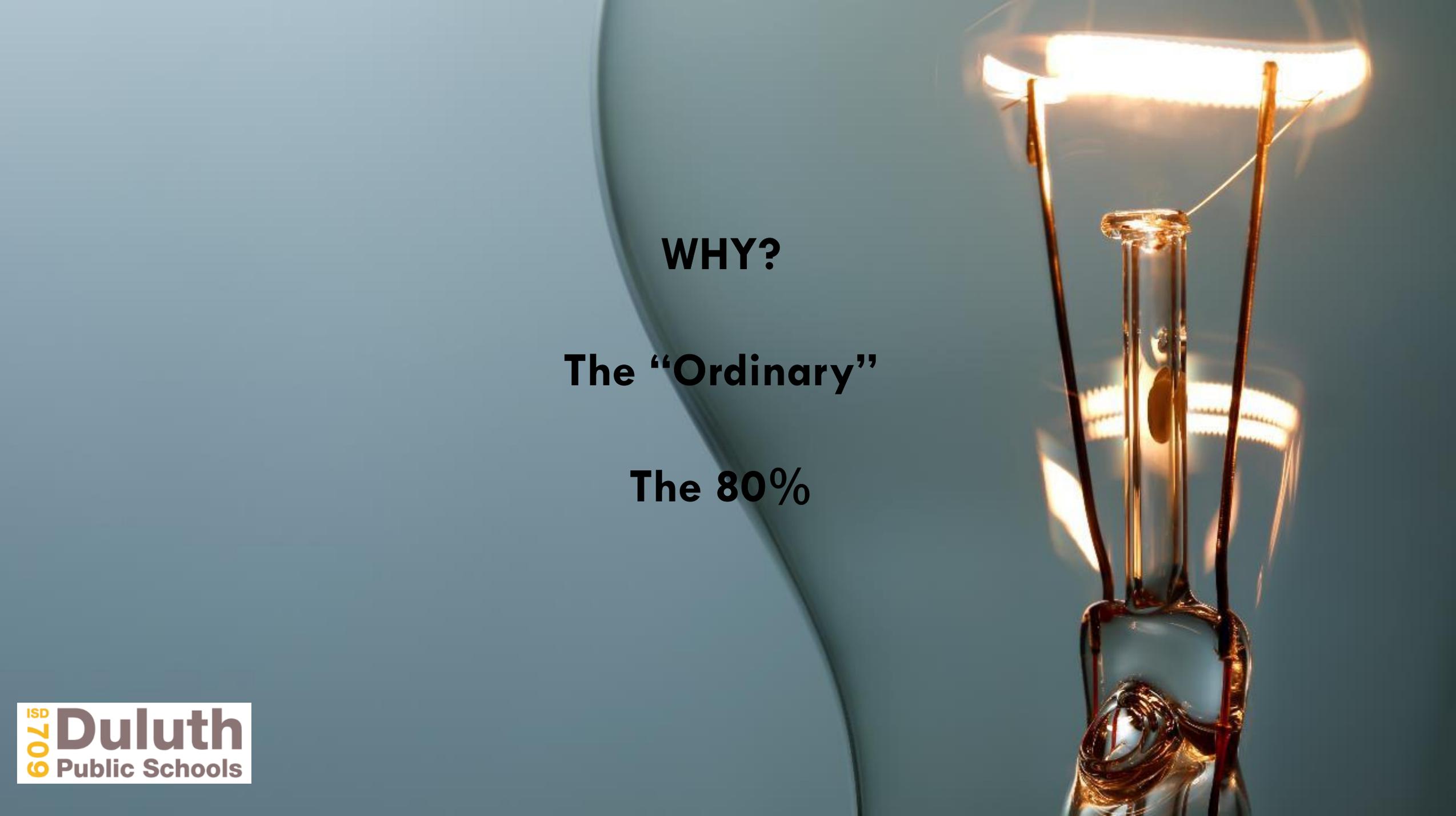


A glowing lightbulb is the central focus, with its filament and base visible. The background is a soft, blue-grey gradient. Overlaid on the right side of the lightbulb is a white circuit board pattern with several circular nodes and connecting lines. A white rectangular box with a slight drop shadow is positioned in the center, containing the main title text.

Career and Technology Education:  
Center for Innovation and Design

A glowing lightbulb is the central focus of the image, set against a soft, light blue background. The bulb is illuminated from within, casting a warm, golden glow. The filament is visible, and the glass of the bulb is clear and reflective. The lightbulb is positioned on the right side of the frame, with its glow extending towards the center.

**WHY?**

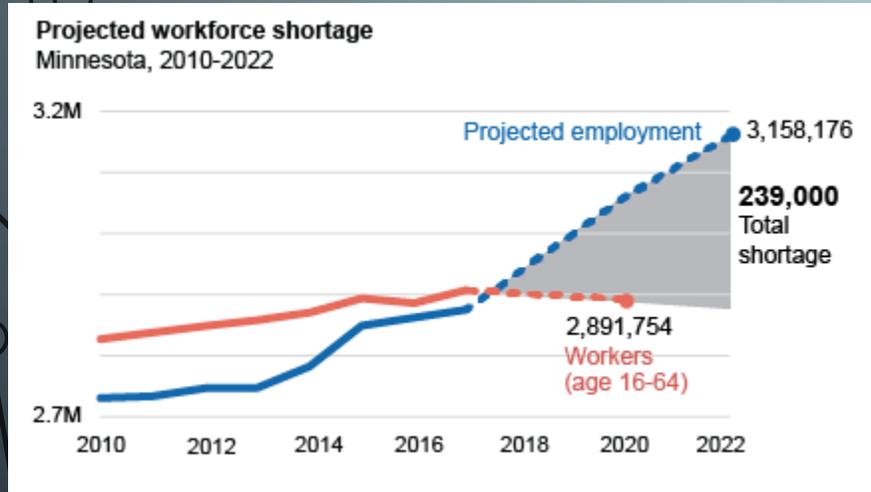
**The “Ordinary”**

**The 80%**

# The Need for CTE

## Minnesota's Workforce Shortage

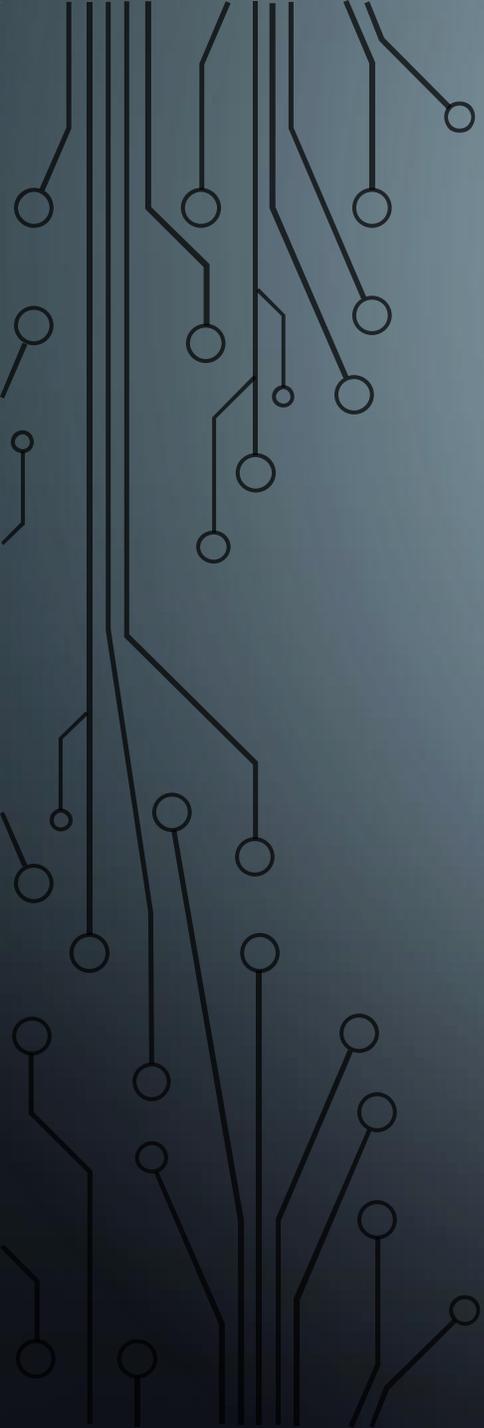
3.2 Million Workers needed to keep up with Economic growth.



## Top industries by net job growth, Minnesota, 2016-2026

Major industry	Net job growth	Percent change
🏥 Health care and social assistance	78,400	17%
👤 Professional and technical services	22,000	14%
🎓 Educational services	12,100	5%
🏨 Accommodation and food services	11,700	5%
🔨 Construction	10,300	9%
💻 & 🗑️ Administrative and Waste services	7,400	5%

Source: Minnesota Department of Employment and Economic Development Employment Outlook Projections (2016-2026)



**What we do well!**

# High School Programs of Study

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**Agriculture & Forestry:** This program focuses on sustainable plant sciences, horticulture, and natural resource management

**Automotive & Engines:** This program focuses on the inner workings of automobiles. Students can earn [NATEF](#) and [AYES](#) certification

**Aerospace Physics:** Program meets state science requirements. Designed and tied into LSC's Aviation program, Duluth Aviation Institute, and local industry needs

**Business, Marketing & Finance:** Program focuses on leadership, accounting, entrepreneurship, and 21st century media and personal marketing

**Construction Trades:** Program focuses on skills in construction, electrical work, basic plumbing, and on-site building experience

**Early Childhood:** Program focuses infant and toddler care services

**Engineering & Design:** Based on [MIT Fablab & Makerspace](#). Program focuses on computerized drafting, 3D prototyping, engineering: mechanical, architecture, industrial, manufacturing and innovation

**Graphic Design & Digital Arts:** Program focuses on computer designed: print, art, screen-printing, advertising, and digital communication

**Health Occupations:** Program focuses on health care services. Students earn First Aid/CPR certification and can also earn CNA license through completion of program and clinical experiences.

**Hospitality & Tourism:** Program focuses on culinary arts & restaurant services. Students can earn certifications in [ServSafe](#), and [NRAEF Prostart](#)

**Robotics:** Program focuses on basic programming and construction of automation in a variety of settings.

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# Food for Thought Restaurant



# Clock Tower Cafe



# CONSTRUCTION

# Automotive

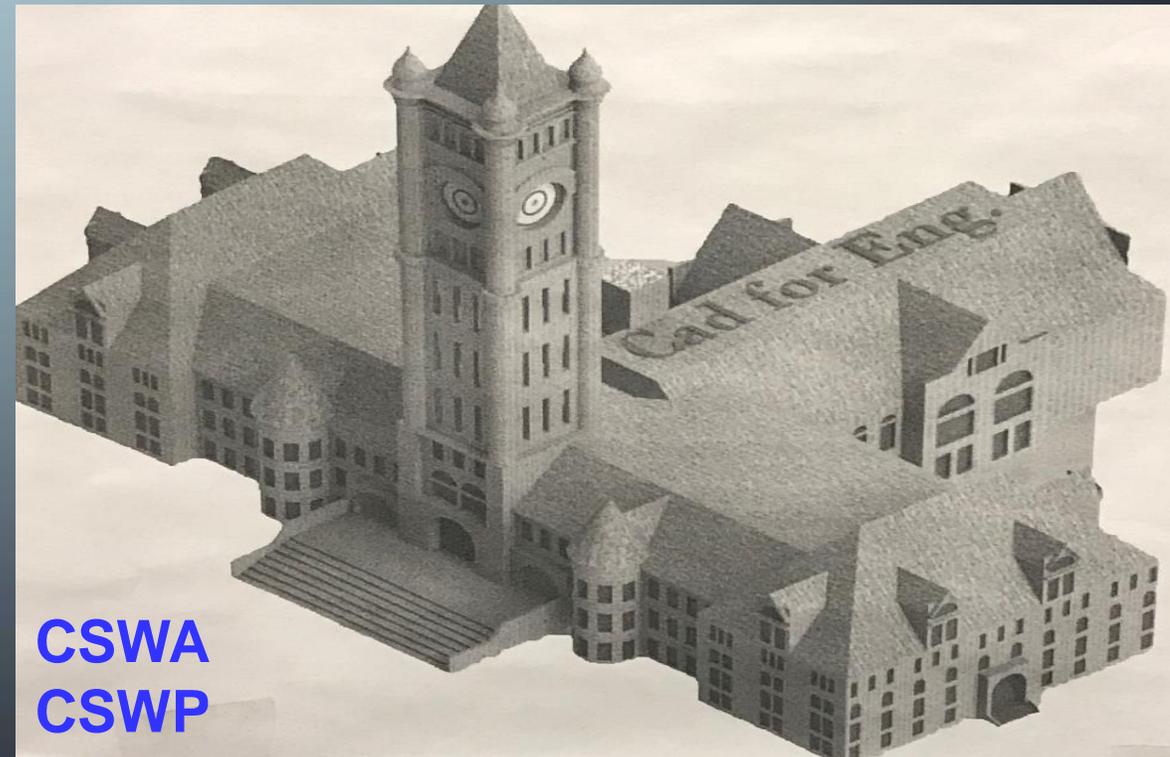




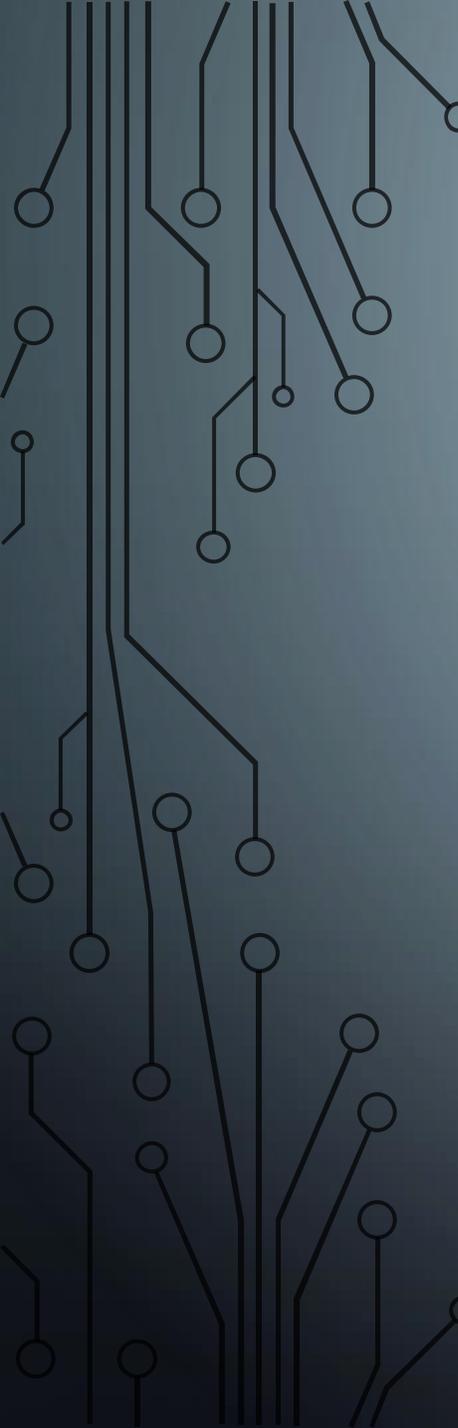
Nursing



Engineering  
CAD



CSWA  
CSWP



# INNOVATION AND DEVELOPMENT: ENTREPRENEURSHIP - INCUBATOR

Dream It, Do It

Dream It, Build It

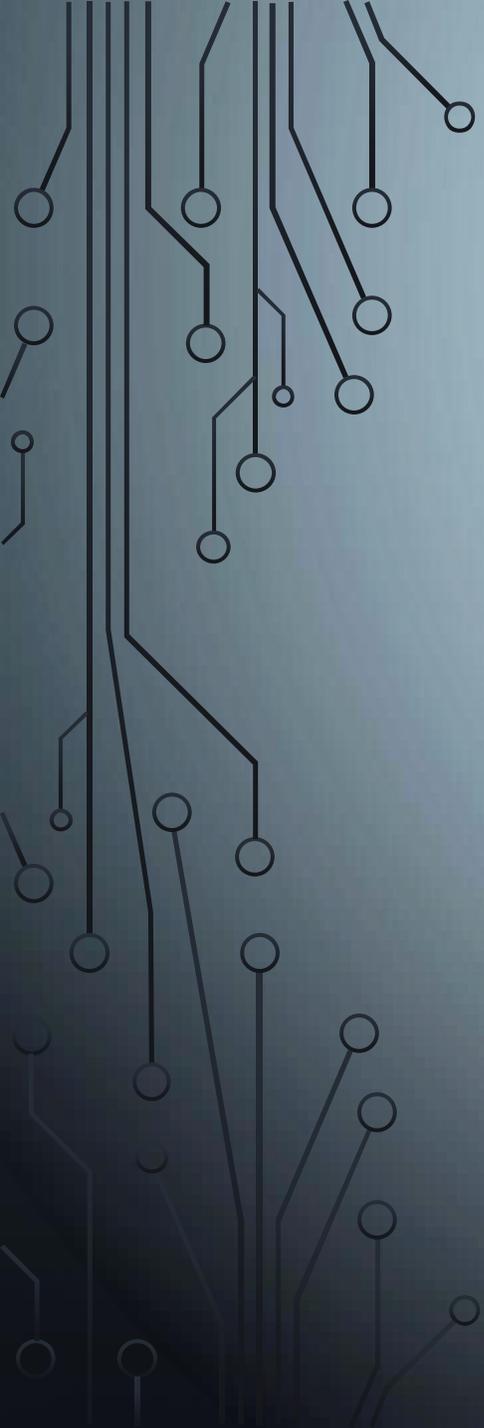
Sell It, Commercialize It



MISSION AND GOALS

# WORLDS BEST WORKFORCE

- ALL STUDENTS GRADUATE WITH A PLAN, NOT JUST A PLAN TO GRADUATE.



MISSION AND GOALS

# COLLEGE AND CAREER READINESS

CAREER FOCUS – DIRECTS READINESS

PROGRAMS OF RIGOR OFFERING

TRANSFERABLE INDUSTRY APPROVED CREDENTIALS

TSA – INDUSTRY CREDENTIALS



MISSION AND GOALS

# HIGH ACHIEVEMENT FOR ALL STUDENTS

CONSISTENT ATTENDANCE:  
GOAL: 90% ATTENDANCE RATE BY 2025

GRADUATION RATE  
GOAL: 90% FOUR-YEAR, ON-TIME BY 2025



# WHAT'S NEXT

- INNOVATIVE IN OUR THINKING AND PLANNING
  - Accessing Industry Input and Finance
  - Workforce Development / Apprenticeships
  - Career Pathways K-12

# PARTNER INSTITUTIONS

