

# Future Ready Pathways

3.21.24

Dr. Marie Morse, Assistant Superintendent  
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**From Here, Anywhere....**

*Together*



**WORCESTER**  
PUBLIC SCHOOLS

# Strategic Plan

## Superintendent's Goals

Ensure district-wide system for recruitment, hiring, and retention of a highly talented, culturally and linguistically competent workforce.

Strengthen maintenance protocols and implement school safety recommendations to guarantee the continual modernization of all WPS facilities, cultivating an environment that is both secure and supportive for learning.

Collaboratively lead school teams in identifying and using multiple sources of evidence to assess, respond, and improve outcomes in all schools with an intentional focus on historically underserved youth.

Participation in New Superintendent Induction Program (NSIP) year 2 will have been completed with all required projects submitted

## School Growth Plans

Vision of a Learner

Grade 3 Reading Level

Student Engagement



# EQUITABLE RESOURCES & EDUCATIONAL PROGRAMS

Worcester Public Schools is committed to developing an equitable, systematic approach to educational programming that delivers high-quality instruction, that equips all students with essential skills, and that opens doors to expanded opportunities for engagement and learning from Pre-K through grade 12.

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## AIM 1

Enhance and provide equitable and consistent learning experiences to prepare scholars for lifelong success (PreK-12).

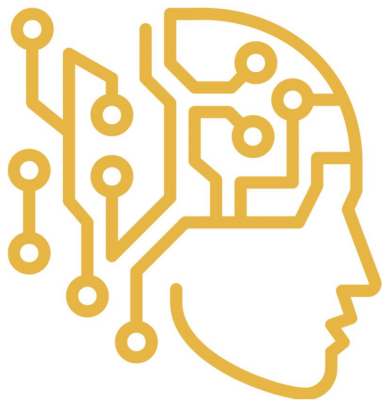
## AIM 2

Expand opportunities for all learners (PreK-12+) to ensure scholars can exercise agency in determining their educational path.

## AIM 3

Grow and create equitable future-ready learning environments and opportunities to ensure our scholars are prepared for the evolving world.

# Objectives

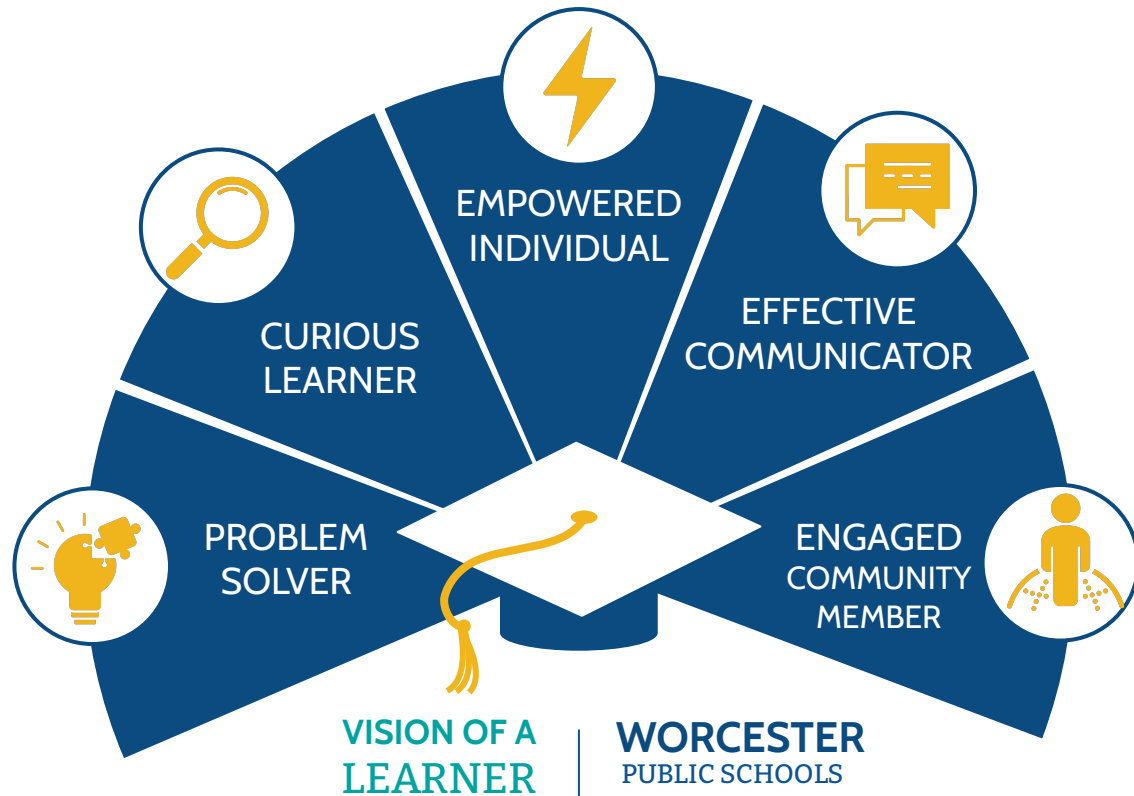


***The Worcester City School Committee will:***

Understand the progress of the district shifts towards Future Ready instruction.

Learn about the development of various learning pathways available to students.

# Vision of a Learner



**SKILLS &  
KNOWLEDGE**



**INSTRUCTION &  
ASSESSMENT**



**LEARNING  
SPACE & TOOLS**



# The Student Experience



**Olivia Lupafya**  
La Familia/Chandler  
Magnet School



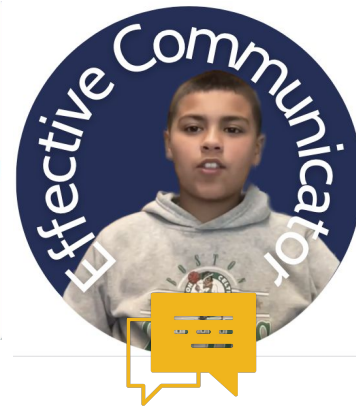
**Nylah Nderitu**  
Burncoat  
Middle School



**Sergio Marroquín Molina**  
City View  
Elem School



**Kennedy Kiley**  
Roosevelt  
Elem School



**Kayden Montalvo**  
Wawecus Road  
School

## In their words



I am a Curious Learner.

In the Library, I worked with a group of my peers to re-train an AI model to be less biased.

This project feels important to me because I know it will help to improve our future world.



# Joy in Learning



# WPS PreK-12+ Pathway Continuum

Primary

Intermediate

Middle School

High School

**Future  
Ready  
Skills**

Introduction

Reinforcement

Expansion

Mastery

**Career**

Introduction  
Learn about My  
Community

Career Days  
Guest Speakers  
Community  
Partnerships

Specialized pathways  
Exploratory of college  
and career options

CVTE  
Innovation Pathways  
Internships

**College**

Introduction  
Awareness Events

Goal Setting  
Partnership Events  
College Field Trips

Coursework  
opportunities  
Partnership Events  
Exploratory

College Fairs  
Application Support  
Early College  
AP Courses

# Pathway Key Priorities



Curriculum and Instruction



College Prep Programs



Career Guidance & Exploration



Assessment & Data Analysis

Resource Allocation &  
Support Services



Family & Community  
Engagement



Technology Integration



Success Tracking



Policy Review



# Exploring High School Options



## CVTE Pathways

Career Vocational Technical  
Education in 3 Comprehensive  
Schools and Worcester Tech

**30+** CVTE and CTE Programs



## Innovation Career Pathways

Competitive, extended day career  
technical education program

**6** Programs between  
2:30-5:15 PM open to  
high school students



## Early College/AP

Free College Classes/Advanced  
Placement

**1067** Students in EC

**1758** Students in AP

# STEAM Pathways

	9th Grade: EXPOSE	10th Grade: EXPLORE	11th Grade: SELECT	12th Grade: DEEPEN
<b>General Academics</b>	<ul style="list-style-type: none"> <li>Biology</li> <li>World History</li> <li>Mathematics</li> <li>English</li> <li>Foreign Language</li> <li>CCR Classes</li> <li>Art/Music/PE</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry</li> <li>US History</li> <li>Mathematics</li> <li>English</li> <li>Foreign Language</li> <li>CCR Classes</li> <li>Art/Music/PE</li> </ul>	<ul style="list-style-type: none"> <li>Physics/Science Elective</li> <li>History Elective</li> <li>Mathematics</li> <li>English</li> <li>Physical Education</li> <li>Early College/AP Course</li> </ul>	<ul style="list-style-type: none"> <li>A&amp;P or Science Elective</li> <li>History Elective</li> <li>Mathematics</li> <li>English</li> <li>Physical Education</li> <li>Early College/AP Course</li> </ul>
<b>College Readiness</b>	<ul style="list-style-type: none"> <li>College field trips</li> <li>College readiness seminar</li> <li>PSAT preparation</li> <li>Early College Coursework</li> </ul>		<ul style="list-style-type: none"> <li>College field trips</li> <li>College fairs and informational sessions</li> <li>PSAT and SAT preparation</li> <li>FAFSA/Financial Aid</li> <li>College application support</li> <li>Early College Coursework</li> </ul>	
<b>Career Readiness</b>	<ul style="list-style-type: none"> <li>Career exposure and research</li> <li>1-on-1 coaching and counseling to identify priority industries</li> <li>Internship experience and work based learning plan</li> <li>Internship and job application support</li> <li>Professional skill development</li> <li>Industry mentors</li> </ul>		<ul style="list-style-type: none"> <li>Internship Opportunities</li> </ul>	

# North & Doherty Pathways and Curriculum

## STEM & Pathway Options

### North HS



#### Health & Life Sciences (HLS)

*Partnered with UMass Chan Medical School*

You could be a... doctor, phlebotomist, psychiatrist, health educator, nurse, radiologist, physical therapist



#### Business Technology

*Partnered with: Alpha Travel, Bowditch and Dewey, Ecotarium, Holiday Inn Express*

You could be a(n)... accountant, receptionist, office manager, insurance, HR

### Doherty HS



#### Engineering

You could be a(n)... environmental engineer, electrician, crane operator, pipefitter, mechanical engineer



#### Construction / Craft Laborer

You could be a(n)... carpenter, electrician mason, plumber, welder, glazer and hoisting



#### Programming & Web Development

You could be a(n)... software developer, game designer, web developer, computer technician



#### Marketing, Management, and Finance

You could be a(n)... banker, accountant, investor, analyst

	9th Grade: EXPOSE	10th Grade: EXPLORE	11th Grade: SELECT	12th Grade: DEEPEN
	Early Childhood Physical Health	Intro to Health Science and Careers	Anatomy and Physiology HLS-Specific ELA HLS-Specific Social Issues	Advanced Topics in Science HLS-Specific ELA HLS-Specific Social Issues
	Introduction to Business	Exploring Business Information Systems	Business Information Systems	Internship
	Robotics	Introduction to Engineering	Foundations of Engineering	Principles of Engineering
	Safety and Health Skills Development	Technical Knowledge and Skills	Employability and Career Readiness	Management and Entrepreneur Skill Development
	Robotics Web Design	AP Computer Science Principles	Web Design CS-Specific ELA CS-Specific Social Issues	Cybersecurity CS-Specific ELA CS-Specific Social Issues
	Marketing I	Marketing II	Finance	Financial Management

# South & Burncoat Pathways and Curriculum

## STEM & Pathway Options

### South HS



#### Culinary

You could be a(n)... chef, baker, cook, caterer, restaurant manager, purchaser and nutritionist

Culinary Arts I

Culinary Arts II

Culinary Arts III

Culinary Arts IV



#### Early Childhood:

You could be a(n)... teacher, nanny, childcare center director, school counselor, psychologist

Early Childhood I

Early Childhood II

Early Childhood III

Internship



#### Diesel Technology

You could be a(n)... mechanic, fleet manager, diesel tech, airport mechanic, marine engineer

Diesel Tech I

Diesel Tech II

Diesel Tech III  
Internship I

Diesel Tech IV  
Internship II

### Burncoat HS



#### Fine Arts

You could be a(n)... dancer, musician, artist, media specialist

Dance Magnet I

Dance Magnet II

Dance Magnet III

Dance Magnet IV

Orchestra I

Orchestra II

Orchestra III

Orchestra IV

Chorus I

Chorus II

Chorus III

Chorus IV

Art Foundations  
Media Art I

Media Art II

Media Art III

Media Art IV

# Worcester Tech Pathways and Curriculum

## Alden Academy

Advanced Manufacturing  
Auto Collision  
Auto Technology  
Computer Aided Drafting  
Robotics & Automation  
Technology  
Welding

## Allied Health and Human Services Academy

Allied Health  
Biotechnology  
Environmental Tech  
Veterinary Assisting  
Cosmetology  
Early Childhood

## Coghlin Construction Academy

Carpentry  
Electrical  
HVAC/R  
Interior Design and  
Decorating  
Plumbing

## IT and Business Service Academy

Culinary Arts  
Finance, Marketing &  
Business Management  
Hospitality Management  
Information, Support  
Services & Networking  
Programing & Web  
Development  
Graphic Communication



# Innovation Career Pathways



The **Worcester Public Schools Innovation Career Pathways** program is a collaboration between *WPS comprehensive high schools* and *Worcester Technical High School* designed to provide students with access to **technical education through high quality college and career pathways.**

ICP is a three-year, extended day commitment that creates opportunities for WPS students to:

- Experience an in-depth look at a local high-demand industry
- Actively engage in college & career planning activities
- Earn industry recognized credentials
- Take college-level classes in preparation for career advancement
- And apply their technical knowledge and skills through paid internships or capstone projects



Advanced Manufacturing • Allied Health • Biotechnology  
Business & Marketing • Computer Science & IT • Construction & Engineering

# Early College



Early College has taught me so much about time management and communication. I learned how to talk with my professors and be less afraid of approaching them. I learned how to manage my school responsibilities along side work.

# Next Steps with Sparking Innovation

01

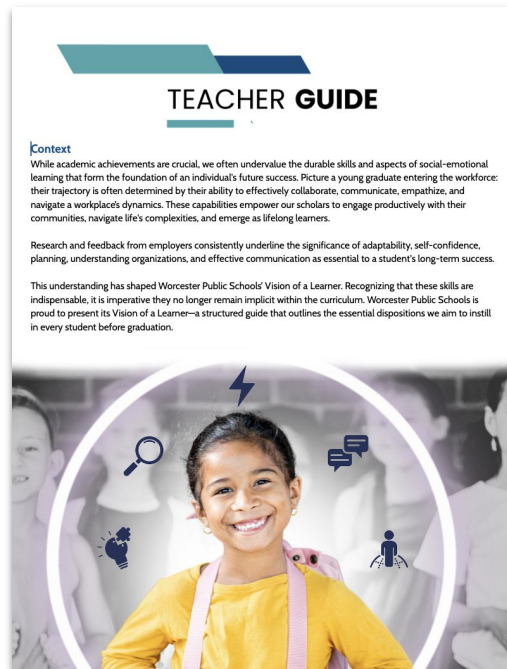
Professional Learning

02

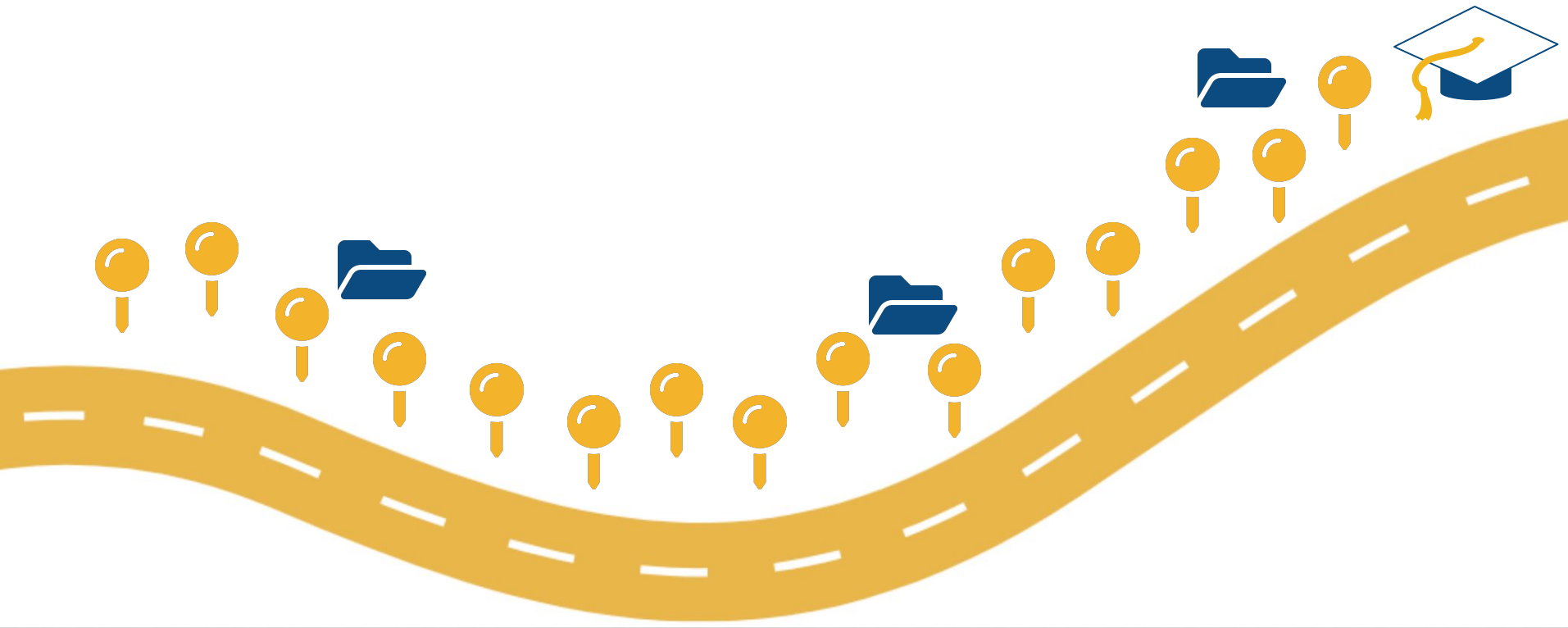
Spark Expansion

03

VOL Alignment



# Learning Journey





Spark a willingness to take risks and embrace failure.





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Thank You