

**TOGETHER  
NEW HAVEN**

# New Haven Public Schools BioCity Initiative @ 101 College Street

May 9, 2024

**City of New Haven**

Justin Elicker, Mayor  
Board of Alders



# **New Haven Public Schools BioCity Initiative @ 101 College Street**

## **Proposed Orders:**

- 1 – Agreement with BioLabs**
- 2 – Federal Discretionary Grant**
- 3 – ARP Career Pathways Funding**



## **Program Goals:**

- Create an Innovative Flexible High-School Program for NHPS within Biolabs.**
- Launch Meaningful Careers in Science and Developing the Next Generation of Talented New Haven Residents.**

## Core Values

We believe...

**1 Equitable opportunities** create the foundation necessary for every child to succeed

**2 A culture of continuous improvement** will ensure that all staff are learners and reflective practitioners

**3 High expectations** and standards are necessary to prepare students for college and career

**4 Collaboration** and partnerships with families and the New Haven community will enhance learning and achievement



## Mission

To provide all students in New Haven Public Schools with personalized, authentic, and engaging learning experiences through creativity, exploration, innovation, critical thinking, problem-solving, and high quality instruction. To foster a culture of continuous improvement through collaborative partnerships with staff, families, and the New Haven community. To support students' growth and development by utilizing the Whole Child Framework.

## Vision

Our vision is to be a premier urban school district that ensures access to equitable opportunities and successful outcomes for all students as they prepare for college, career, and life.

## Priority Areas for 2020-2024

- |          |                                      |          |                              |
|----------|--------------------------------------|----------|------------------------------|
| <b>1</b> | <b>Academic Learning</b>             | <b>2</b> | <b>Culture &amp; Climate</b> |
| <b>3</b> | <b>Youth &amp; Family Engagement</b> | <b>4</b> | <b>Talented Educators</b>    |
| <b>5</b> | <b>Operational Efficiencies</b>      |          |                              |

# Design of the 101 College St BioCity Program

A Classroom Immersed in Industry

Cutting-edge Technology

Expert Instruction

Rigorous Curriculum

Student Networks and Relationships

# Bringing NHPS into a Biolabs Incubator

- The 101 College Street Classroom is a facility within the Biolabs incubator designated for use by New Haven Public Schools
- Students will have the incredible opportunity to learn about biotech on the frontiers of innovation



# The Classroom: An Immersive Industry Experience

- Science and technology jobs are key to New Haven's future!
  - 4<sup>th</sup>-densest bioscience cluster in the US; 24<sup>th</sup> in life sciences workforce talent.
- The Classroom sits within a Biolabs incubator
- Students in the program will understand the life-cycle and day-to-day work of a Biotech startup
- Students will be exposed to various options for biotech jobs and opportunities after high school



# BioCity Spaces



# BioCity Spaces



# Leveraging Community Partnerships

- The New Haven Biotech Innovation Program will leverage community partnerships in its steering committee
  - Parents
  - Educators
  - Industry Experts
  - Higher Education Institutions
- The program will connect NHPS students with great job opportunities within New Haven.



# Learning at the Cutting Edge of Technology

- Students will have the benefit of a highly-resourced facility with cutting-edge equipment and technology
- Students will get to actively participate in innovation



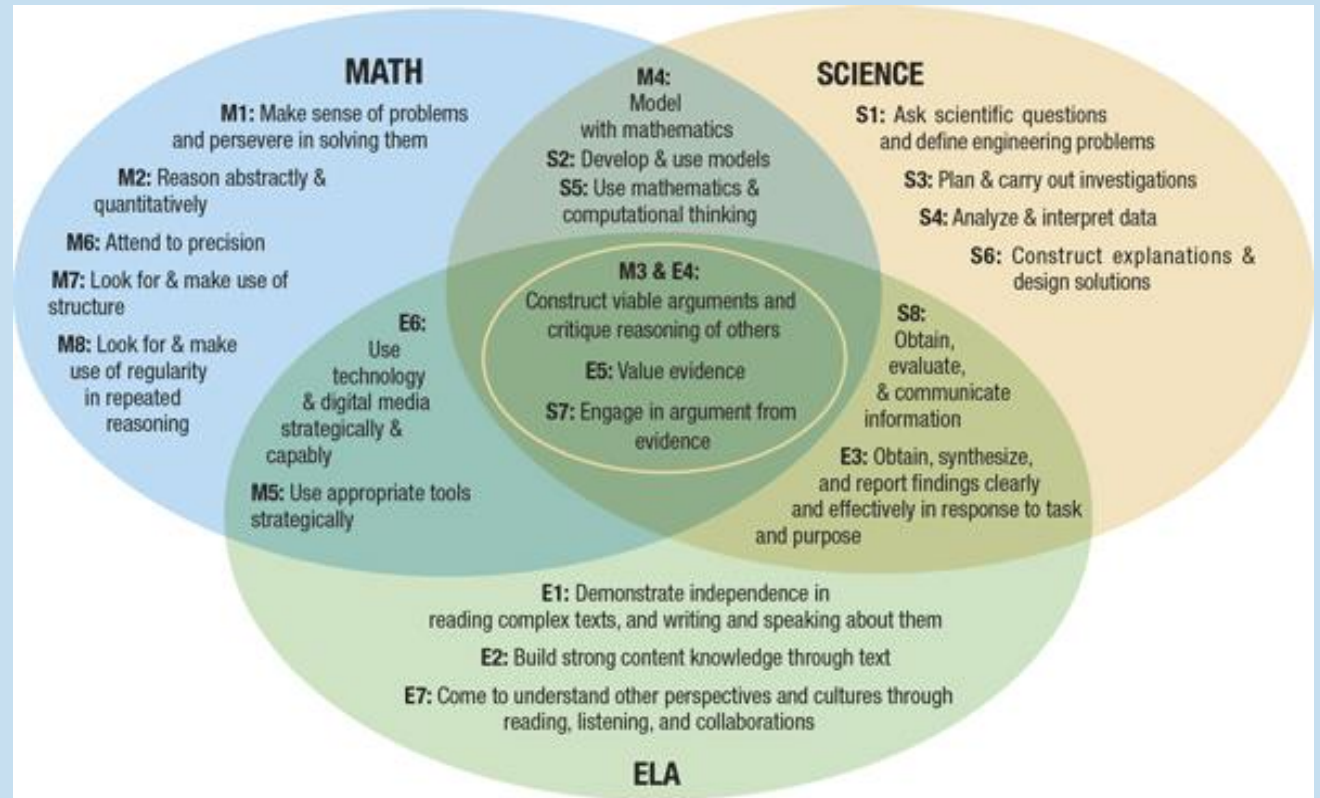
# Expert Instruction

- Innovation Program Personnel will include leading experts in Biotech innovation
- The Innovation Program will combine unmatched experiential learning with rigorous academic work
- The Innovation Program will combine talented teaching with deep industry knowledge



# Rigorous Experiential Curriculum

- Early College Credit Programs through SCSU and/or Gateway will enable students to take courses at the Innovation Program Classroom for college credit
- Taking a significant number of Early College courses will allow students to complete a secondary degree more quickly, and to pay less for tuition
- Early College has been [shown](#) to make it more likely that students will choose to attend college, and to graduate with a degree.

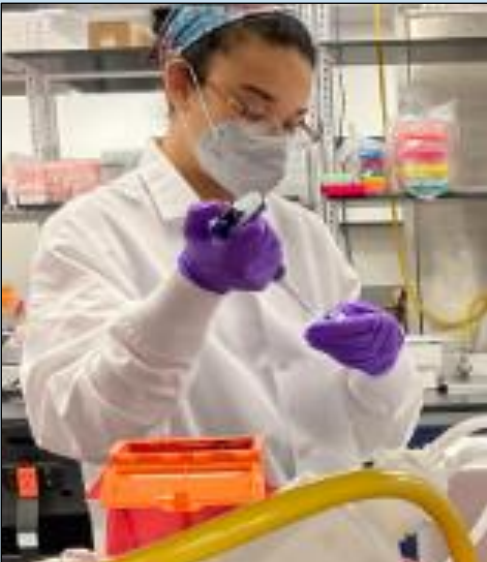
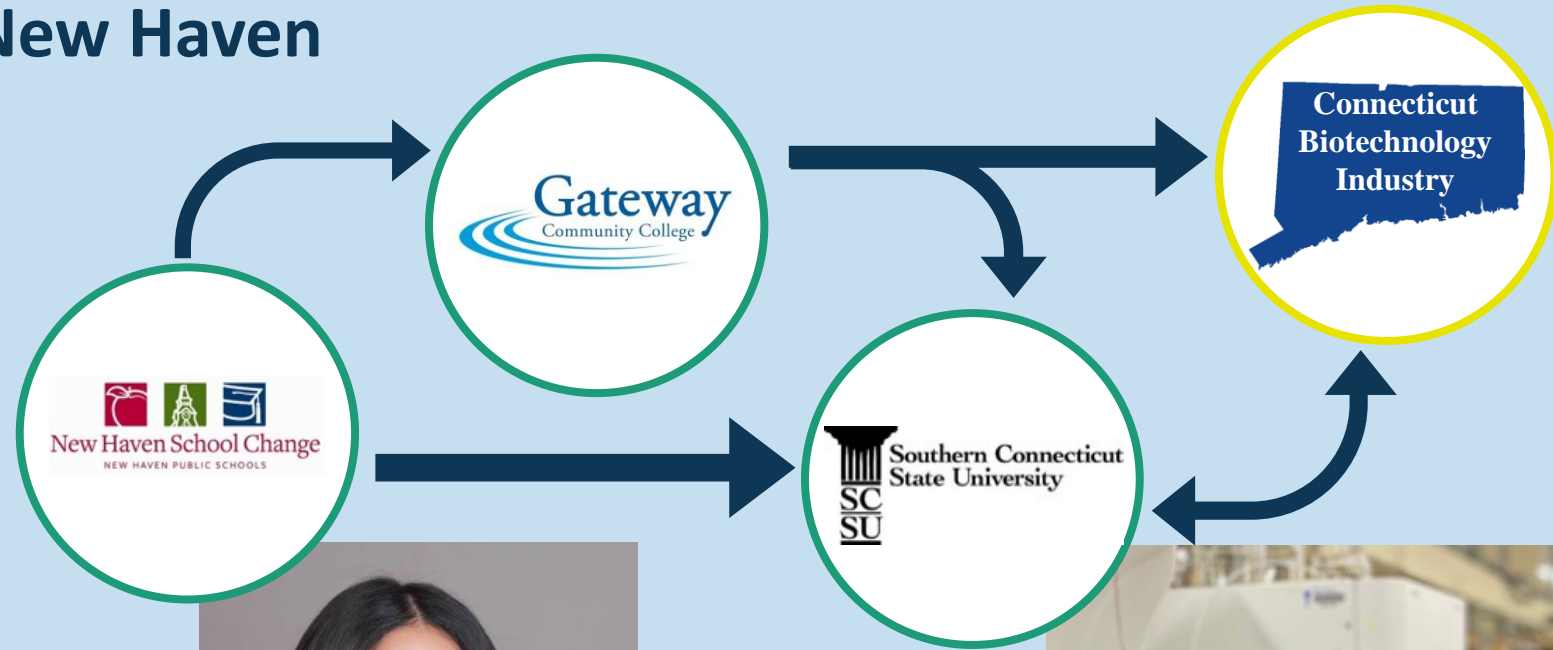


# BioCity (HS) and BioPath (SCSU)

- Up to 40 dual enrollment college credits with SCSU and Gateway
- Tutors/mentors – Industry/SCSU/Science Fair
- College Guidance and direction
- Shared lab space\*
- Access to college professors
- Courses at SCSU/Gateway



# BioPath Strives to Ensure Students + Residents can have Meaningful Roles in Bioscience in New Haven



**THE JOHN B. PIERCE LABORATORY**  
Physiology and Health in the Modern Environment



# SOURCES OF FUNDING

- Classroom constructed and made available to the City/NHPS as per the Development Agreement for 101 College Street. Winstanley investment of \$1,022,500 toward program.
- Pending BOA approval, City funding proposed to be made available to the project includes FY24 grant from the US Department of Education (Congressional Directed) and American Rescue Plan Career Pathways funding (\$1.5M). Sustainable long-term funding will depend on additional program partners and new funding sources.
- Current funding levels are on the “on-ramp” for long-term investment in science careers, spearheaded by NHPS.

Source	Amount	Status
FY24 Congressional Directed U.S. Dept of Education	\$1,500,000	Grant agreement instructions received from US DOE
American Rescue Plan Career Pathways Fund	\$1,500,000	Developing pass-through agreement from City to NHPS.

# BIOCITY INVESTMENTS

## Academic Program Years 1, 2 & 3

The three-year budget (right) is the current projected forecast, subject to change as program develops with course of study. Year 1 includes start up costs to create industry-level environment.

**BioCity Classroom Budget  
2024 - 2028**

Budget Line Item	Year One	Year Two	Year Three
Equipment	\$ 500,000	\$ -	\$ -
Instructional Supplies and Materials	\$ 30,000	\$ 60,000	\$ 60,000
Administrative Supplies	\$ 20,000	\$ 40,000	\$ 40,000
Text Books	\$ 2,000	\$ 4,000	\$ 4,000
Technology	\$ 50,000	\$ 50,000	\$ 50,000
Field Trips	\$ 10,000	\$ 20,000	\$ 20,000
Parent Activities	\$ 5,000	\$ 10,000	\$ 10,000
STEM Pathway Enhancements	\$ 95,531	\$ 95,530	\$ 95,530
Personnel	\$ 90,000	\$ 180,000	\$ 180,000
Fringe Benefits	\$ 28,800	\$ 57,600	\$ 57,600
Other Purchased Services (SCSU Instructors)	\$ 47,000	\$ 94,000	\$ 94,000
Other Professional Services	\$ 10,000	\$ 10,000	\$ 10,000
Operational Expenses (Facility Costs)	\$ 169,803	\$ 169,803	\$ 169,803
Student Transportation	\$ 100,000	\$ 100,000	\$ 100,000
Travel	\$ 10,000	\$ 10,000	\$ 10,000
Marketing and Recruitment	\$ 10,000	\$ 10,000	\$ 10,000
<b>*TOTAL</b>	<b>\$ 1,178,134</b>	<b>\$ 910,933</b>	<b>\$ 910,933</b>
<b>*3 Year Total</b>	<b>\$ 3,000,000</b>		
<b>Amount Left to Spend</b>	<b>\$ -</b>		

BioCity Capital Contributions / Expenses	Winstanley	City
Core & Shell	\$ 425,000.00	\$ -
Tenant Improvements	\$ 128,500.00	\$ 217,301
Furnishings	\$ 34,000.00	\$ 104,409
Equipment	\$ -	\$ 426,422
<b>Total</b>	<b>\$ 587,500.00</b>	<b>\$ 748,132</b>

**Notes**

\*Estimated costs and is subject to change to the final budgeting from NHPS and final approval from the US Dept. of Education

# 2024 LAUNCH CALENDAR

1<sup>st</sup> Qtr    **Student Recruitment**



2<sup>nd</sup> Qtr    **Summer Camp**



3<sup>rd</sup> Qtr    **1<sup>st</sup> BioCity Cohort**

# **TOGETHER NEW HAVEN**

*Thank you for your partnership &  
collaboration.*

