

**Would You Like to Explore a Career in Construction Technology, Work Toward Industry Credentials and Get High School Credit at the Same Time?**



## **The Career Pathways Technology Learning Corridor at Hillhouse High School**

*The City of New Haven is committed to offering our students the best possible avenues for success in school and in life. Thank you to Justice Education Center, Inc., Laborers' International Union of North America (LIUNA) and Laborers' Local Union 455 and YouthSTAT for helping create this important training opportunity. I am thankful for our strong partnership with the Office of the United States Attorney – District of Connecticut and the Department of Justice Project Safe Neighborhoods program which has helped to make this opportunity available to our youth.*

*~Toni N. Harp, Mayor, City of New Haven*

## **A New and Exciting Opportunity to Have a Promising Career**

You have many options to embark upon an exciting career, and you don't have to go to a four-year college to have one!

The Hillhouse Career Pathways Technology Learning Corridor is working closely with Principal Worthy, your teachers, guidance counselors, the New Haven Board of Education, and New Haven Youth Services Department and its YouthStat initiative to offer you specialized technology training in order to prepare you for a career with advancement opportunities.

## **What Will You Be Learning at the Corridor?**

The Learning Corridor will provide you with 200 hours of vocational technical programming in partnership with the Laborers' International Union of North America (LIUNA) and Laborers' Local Union 455. With their assistance in both teaching and pre-apprentice training, the Corridor is focusing on the following technologies and skills: Construction Math, Scaffolding, Mason Tending and Masonry, Concrete, Demolition, Highway and Road Safety, and Pipework.

You will receive academic credit for the successful completion of all program components including the opportunity to perform important community service work for and within The City of New Haven.

Your training will prepare you for apprenticeship opportunities that pave the way for successful careers in the building trades.

## **CONSTRUCTION MATH**

Construction math is important to all building trades. You will learn how to use math specifically for the trades and how it can help you to succeed.

## **CONCRETE**

Concrete is a heavy, rough material made from a mixture of broken stone or gravel, sand, cement, and water. You will learn how to build forms, mix materials, and understand the properties of cement. This will lead to building small projects such as benches.

## **MASON TENDING AND SCAFFOLDING**

Masonry is a trade that uses materials such as mortar and bonding agents to lay brick, block, and tile, and to the build fireplaces, chimneys, wall works, and interior finishing. You will be learning about these materials and how to mix them, and the tools involved in masonry. You will also be working with concrete for floors and walls. Scaffolding is a part of every construction job. You will learn how to frame, tube, and build scaffolding.

## **DEMOLITION**

Demolition is a part of many construction sites. At this program, you will learn about the tools used in demolition (sledge hammers, crow bars, wrecking bars, and jackhammers) and will have a chance to use the tools. You will also learn about the personal protection equipment necessary for this part of construction and how to effectively distribute debris.

*LIUNA and Laborers' Local Union 455 are dedicated to creating the next generation of highly-skilled men and women in the construction trades. The Career Pathways Technology Corridor is a major step forward in developing the essential link between student training, high school graduation, apprenticeship and rewarding careers.*

*~Mike Traficante, Director of Governmental Affairs,  
LIUNA New England Region*



*It is an honor for me to serve as principal and to be able to offer our students as many choices as possible to help them embark upon happy, productive and fulfilling lives. I believe our Career Pathways Technology Corridor is a powerful tool for this purpose. As we continue to offer and expand our technology trainings, our students will have opportunities for many career choices upon graduation.*

~Glen Worthy, Principal, Hillhouse High School



### **HIGHWAY/ROAD SAFETY**

New Haven and other metropolitan areas around the country have an aging road and highway infrastructure which means that new roads need to be built and old ones need to be repaired. You will be learning about flagging and pattern set-up. You will also have the opportunity to receive a certification in flagging.

### **PLUMBING AND PIPE**

You will be learning about water and sewer pipes, gas pipes, and drainage pipes. You will be using basic math computations and measurements necessary to calculate necessary plumbing materials and piping.



*New Haven Public Schools strives to offer the most up-to-date educational and training offerings for our students. The remediation, technology credentialing, links to area unions and credits toward high school graduation that are available through the Career Pathways Tech Collaborative are essential elements of our educational strategy for New Haven youth.*

~Dr. Reginal Mayo, Interim Superintendent, New Haven Public Schools

### Important Extras

You will also be receiving important certifications including OSHA 10 and First Aid/CPR training and you will have the opportunity to create a resume, learn interview skills, and practice what you have learned to prepare for your job interviews.

### What Else Will the Learning Corridor Offer You?

- Motivational speakers through organizations such as Unilever Corporation's African American Business Network (AABN) to provide students with a greater understanding of the opportunities that are available in the private sector;
- Business mentor relationships with local business leaders;
- Connecticut Business and Industry Association's (CBIA) YES Curriculum will be offered to better prepare you for apprenticeships and employment;
- Assistance from union leaders to make sure that your courses for pre-apprenticeship training is as up-to-date as possible and that you will have direct access to apprentice training and employment;
- Opportunities for personal development through The Justice Education Center's ECHO program to help you build the personal and team-building skills you need to be successful in the workplace (after school); and,
- Opportunities to perform community service hours both during and after the school day with local businesses and non-profit agencies to help beautify the City of New Haven.

### What Will Your Classes Look Like?

In addition to your core subjects, you will attend hands-on technology classes with no more than 15 students per teacher. We know that each of you participating in the Technology Learning Corridor may be at different reading, math levels and for these reasons, we make tutoring available if you need it. By successfully participating and competing your Career Pathways Technology Corridor program, you will be able to earn additional credits toward graduation.

### What Will This Mean For You After You Graduate?

You will receive the training and credentials you need to move directly into apprenticeship/employment opportunities in your technology career of choice. If you do, you will also be able to receive additional credentials through the Corridor's union partners and areas businesses and industries. You can also choose to earn more credentials in community college or college settings after you graduate. Many of these additional certifications can be completed in one year or less.

"I am proud of the General Assembly's commitment to help students pursue their passions and develop strong skills that will prepare them for promising careers and long term employment," stated Representative Toni Walker, House Chair of the Appropriations Committee. "The Career Pathways Technology model serves as an excellent example of what can be accomplished when our commitment to Connecticut's young people is a priority," she said.

### About the The Career Pathways Technology Collaborative

The Collaborative began with a planning grant from the Office of the United States Attorney, District of Connecticut to The Justice Education Center, Inc.

Today, with support from the Department of Justice's Project Safe Neighborhoods initiative, the City of New Haven, the New Haven Board of Education, the Bridgeport Board of Education, the WorkPlace (Bridgeport's Workforce Development Board), the Connecticut State Department of Education, the Court Support Services Division of the Judicial Branch, and the Connecticut General Assembly, Career Pathways has developed an exciting public/private partnership which offers a unique opportunity to prepare students for sustainable careers in industry.