

TODAY'S HOST



Dan Thornton

Associate Principal JCJ Architecture ACE CT President

AGENDA

01 02

Introduction to ACE Session Structure

03 04

Mentor + Alumni Spotlight Next Steps

01

An Introduction to ACE





WHAT IS ACE?

- A volunteer after-school program for high school students, grades 9-12
- An opportunity to experience construction industry professions
- Gaining mentorship from knowledgeable professionals
- Exciting hands-on activities
- Designing a project as a team



ACE MENTOR PROGRAM FACTS



The ACE Mentor Program of America (ACE) was created in 1994 by the integrated design and construction industry to meet its future workforce needs.

Today, this industry's leaders guide, sponsor, and run ACE at the National and local levels.

- ACE's 77 affiliates operate in 37 states, the District of Columbia, Puerto Rico, and Toronto, Canada.
- . The 15-session afterschool program is offered free of charge.

77_{AFFILIATES}

MENTORS



- 4,100 volunteer professionals from all industry sectors serve as mentors and team leaders.
- · The annual value of their in-kind services totals \$22.4 million.

STUDENTS





- In the 2019-2020 school year, the program engaged over 10,000 students from 1,450 high schools. 71% come from minority and underserved communities. 36% of students are women.
- 3/4 of high school seniors completing ACE enter a college program in architecture, construction, or engineering or enter a skilled craft.

<u> 10.1K students</u>

SCHOLARSHIPS



- Since its start, ACE has awarded over \$22 million in scholarships to students intending to study industry-related fields in college or enter a skilled craft training program.
- . In 2020, 964 students received \$2.6 million in scholarships.

ACHIEVEMENTS





ACE and many of its affiliates have earned numerous awards from national and local organizations. Most notable are:

- 2010 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring (the nation's highest award for mentoring).
- American Institute of Architect awards for collaborative achievement (2014) and diversity (2018).

LEARN FROM THE PROS

ARCHITECTURE

- Architects
- Interior Designer
- Landscape Architects

CONSTRUCTION

- Construction Managers
- Estimators
- Schedulers

ENGINEERING

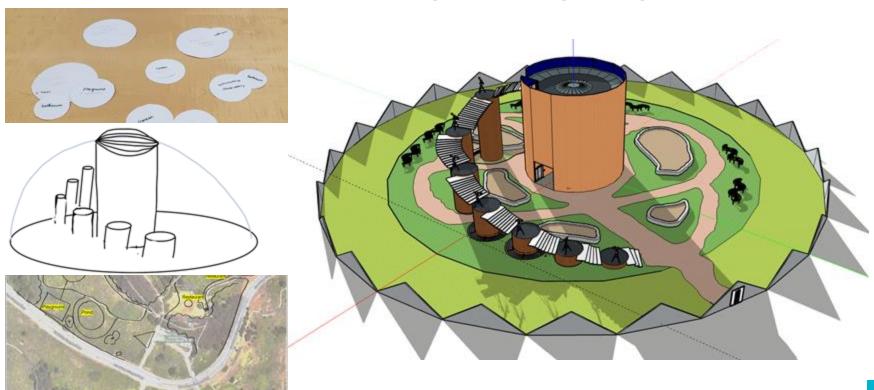
- Civil & Structural Engineers
- Mechanical & Plumbing Engineers
- Electrical & Technology Engineers



WORKING WITH ALL PROFESSIONS

- Simulating a real project team with Architecture, Engineering, and Construction professionals
- Opportunity to explore all disciplines
- Looking at a project from all angles; owner, city, design team, construction team
- Trying new methods of communication; CAD, drawings, physical and digital models











REMINGTON PARK



The Remington Arms Factory in Bridgeport started in 1887, when the Union Metallic Cartridge Company in the east end of Bridgeport, started to make guns for the union during the civil war. Later was purchased by Remington Arms in 1915, who expanded the factory to a 73-acre manufacturing factory, and also made bombs and ammo for the allied forces in WWZ. In 1942 there was an explosion that wreck one side of the four story building. The building was closed in 1988.







	11000000000	\$9.5 million	1070 7070	10000
Reno	\$300 per ft	21,715	\$6,514,500	1 1 1 1 1 1 1
Remediation	\$32,000 per acre	73	\$2,336,000	The second
Glass	\$756 per 5x7 window	100	\$75,600	2
Grass	\$.80 per ft	570,000	\$456,000	7 11
Marble	\$9.50 per ft	2,500	\$23,750	Bloom i
Concrete	\$1.50 per ft	3,444	\$5,166	1
Materials	Cost per Unit	Factor	Total	





WHY JOIN ACE?

- Find your Passion!
- Experience Construction Professions BEFORE College
- Mentorship from Skilled Professionals
- Develop New Skills
- Qualify for Scholarships
- Have Fun!







ACE Mentorship Program

is FREE to students.

- Professionals are Volunteers
- Hospitality and Supplies are donated by participating Firms
- Schools and Firms coordinate to provide parking & bus vouchers when required.





Session Structure

SESSION STRUCTURE

- Weekly or Bi-weekly sessions on Tuesdays, Wednesdays, or Thursdays
- Hosted at Professionals' Offices
- Sessions will occur October through February or May











Career Topics

Construction Management

Architecture

Structural Engineering

Mechanical & Plumbing Engineering

Electrical & Technology Engineering

Civil Engineering & Site Analysis

Landscape Design

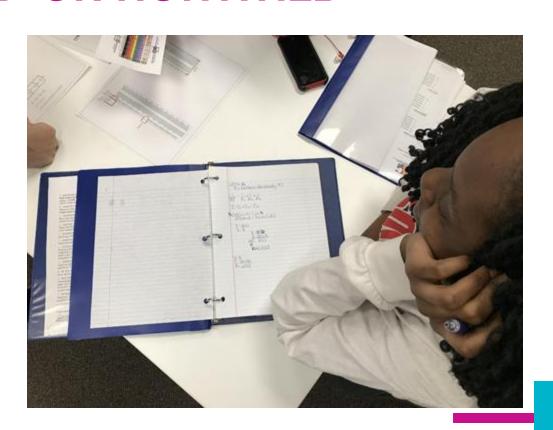




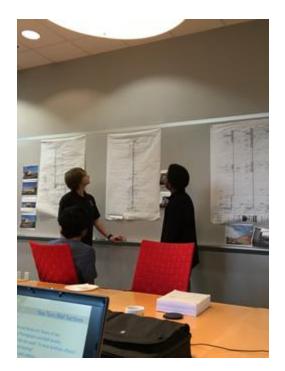
HANDS-ON ACTIVITIES

In All Disciplines!

- -Intro to design / drawing
- -Programming & research
- -Visual expression of ideas
- -Design structure and interiors
- -Support design with Engineering
- -Career topic-based activities
- -Construction Planning



ARCHITECTURE ACTIVITIES





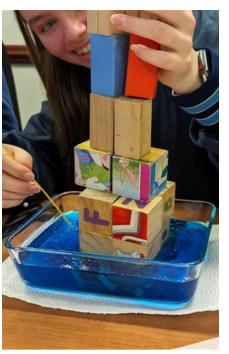
















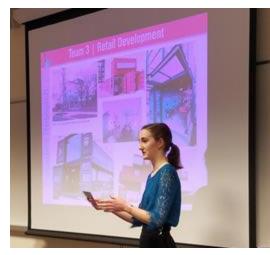




STUDENT PROJECT

DESIGN A PROJECT WITH YOUR TEAM!

- -The Design Project is different for each chapter
- -Collaborate on A/E/C design and present to your team
- -Specialize your role on the team for your interests
- -Present your work as a team at the end of the program
- -Submit to the ACE National competition (Optional)





03

Alumni + Mentor Spotlight





Alumni Spotlight - Recent Scholarships



Alex Nguyen
Stratford High School

National Scholarship & Murray Merl Scholarship

University of Connecticut Major: Civil Engineering

Minor: Construction Engineering &

Management



Taylor Henry

Granby Memorial High School

ACE CT Scholarship

College: U of Michigan, Ann Arbor Major: Mechanical Engineering



Matthew Lawton

Avon High School

ACE CT Scholarship

College: Syracuse University

Major: Architecture



Ann Pakhayev

New Canaan High School

CMiC Allen Berg Memorial Scholarship, Murray Merl Scholarship

College: Cornell University

Major: Architecture

Alumni Spotlight - Succeeding in College



Emily Fazzina
Wethersfield High School
Murray Merl Scholarship
College: Roger Williams University
Major: Construction Management



Sushil Menon
Glastonbury High School
ACE CT Scholarship
College: Roger Williams University
Major: Architecture



Noah Klim

East Catholic High School

ACE CT Scholarship

College: Quinnipiac University
Major: Civil Engineering



Stratford High School

ACE CT Scholarship

College: University of New Haven
Major: Mechanical Engineering

Alumni Spotlight - Returning as Mentors



Emily Ruggeri
Project Engineer
Turner Construction
Director, ACE Greater
Bridgeport Chapter
Cornell University
Major: Civil Engineering



Timothy Griffing, EIT
Senior Civil Project Engineer
Loureiro Engineering
Associates, Inc.
ACE Greater Bridgeport
Chapter mentor
University of New Haven
Major: Civil Engineering



Amanda Lamontagne
Maron, AIA, NCARB
Director, DC Office
Svigals + Partners
Former ACE New Haven
Roger Williams University
Major: Architecture



Jesus Amado
Structural Engineer
Pratt & Whitney
ACE Middletown Mentor
University of New Haven
Major: Mechanical Engineering

ACE Mentor CT Firms & Supporters

















a CIANBRO company















































Engineering Associates



SVIGALS+ **PARTNERS**



Thornton Tomasetti

















DESIMONE

CONSULTING ENGINEERS









04

Next Steps Questions? Use the Chat Feature

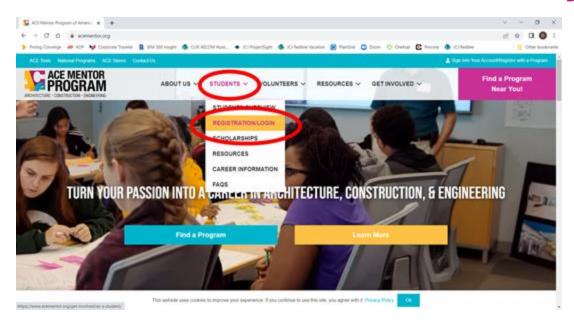
Next Steps

☑ Register Today! <u>www.acementor.org</u>

Complete the Parent Consent Form

☑ Mark Your Calendar: Oct. 15, 16, or 24

Register at www.acementor.org



Class schedules 2024-2025

Hartford at JCJ Architecture

120 Huyshope Ave, Suite 400, Hartford Every week, October through February Tuesdays from 4:00 pm to 6:00pm First Class: 10/15/2024

Bloomfield at Salas O'Brien (BVH)

206 West Newberry Road, Bloomfield Every other week, October through May Wednesdays from 4:00 pm to 6:00pm First Class: 10/16/2024

Hartford at Tecton Architects

34 Sequassen Street, Suite 200, Hartford Every week, October through February Wednesdays from 4:00 pm to 6:00pm First Class: 10/16/2024

Middletown At Tighe & Bond

213 Court Street, #1100, Middletown Every other week, October through May Wednesdays from 4:00 pm to 6:00pm First Class: 10/16/2024



New Haven at Pickard Chilton

980 Chapel Street, New Haven Every week, October through April Wednesdays from 5:00 pm to 6:30pm First Class: 10/16/2024

New Britain at Kaestle Boos Associates

416 Slater Road, New Britain Every week, October through March Tuesdays from 4:00 pm to 6:00pm First Class: 10/15/2024

Bridgeport at Wakeman Boys & Girls Club Madison Ave

595 Madison Ave, Bridgeport Every other week, October through May Thursdays from 4:30 pm to 6:00pm Application Deadline: 10/10/2024 First Class: 10/24/2024

Thank you!

