

Date	Locations & Descriptions
Thursday, September 14 6:00 pm – 7:00 pm Mentors Optional	 Student Open House – The Pike Company, 1 Circle Street, Rochester, NY 14607 Overview of program and expectations Parents welcome to attend
Thursday, September 21	Student application deadline (www.acementor.org)
Thursday, September 28	Notification sent to all applicants via email with syllabus
Thursday, October 12 4:30 pm - 6:30 pm	Introduction & Scavenger Hunt – LeChase Construction, 205 Indigo Creek Dr, Rochester, NY 14626
	 Introduction to the ACE Mentor Program Expectations & syllabus review Meet the mentors Architectural scavenger hunt Collect shirt and shoe size (steel toe boots will be provided to all students)
	Assignment: Get permission form signed.
Thursday, October 19 4:30 pm - 6:30 pm	Understanding Construction Drawings – Bergmann, 280 E Broad St #200, Rochester, NY 14604
	 Review a set of construction documents. Locate symbols, find dimensions, determine square footages & materials, etc. Floor Plans, elevations, sections Available tools to create construction drawings Playhouse project assigned
	Assignment: Brainstorm a theme/concept for your playhouse. Bring inspiration images next class.
Thursday, October 26 4:30 pm – 6:30 pm	Working Class – Playhouse Design – LaBella Associates, 300 State St #201, Rochester, NY 14614
	Meet your group!Look at all concept ideas and determine one to move forward with
	Assignment: Decide who will work on what parts of the playhouse design. Begin sketching how your concept can translate into design features in plan, section, elevation, or 3D.



Saturday, October 28 8:00 am – 12:00 pm Mentors Optional	Concrete Footing Competition - Pike Company Warehouse, 936 East Main Street, Rochester, NY 14605
Mentors Optional	DRESS WARM – EVERYONE MUST WEAR THEIR WOOK BOOTS
	 Four Companies/student groups will be competing: a. The Pike Company b. LeChase c. Manning Squires Hennig d. Ironwood
Thursday, November 2 4:30 pm – 6:30 pm	 Structural Engineering – Bergmann, 280 E Broad St #200, Rochester, NY 14604 Presentation & hands-on building contest
Saturday, November 4 11:00 am – 12:15 pm <u>Mentors Optional</u>	R. I. T. Tour - 2140 Bausch & Lomb Center, 60 Lomb Memorial Drive
Thursday, November 9 4:30 pm – 6:30 pm	Bid Day Experience - LeChase Construction, 205 Indigo Creek Dr, Rochester, NY 14626
	Simulate the bidding process:
	1. Review drawings for a hypothetical project
	 Contact contractors and get quotes Determine total estimated project cost based on qualified low bidders
Tuesday, November 14	ACE Alumni Panel Discussion - The Pike Company, 1 Circle Street, Rochester, NY 14607
4:30-5:30 Optional for Mentors & Students	1. Hear from past ACE students & get pointers for the future
Saturday, November 18	Field Trip to the UR Laser Lab – 250 E River Rd, Rochester, NY 14623
9:00 am – 11:30 am Mentors Optional	1. Job Site Tour
	EVERYONE MUST WEAR WORK BOOTS
Thursday, November 23	NO CLASS FOR THANKSGIVING HOLIDAY
Thursday, November 30 4:30 pm – 6:30 pm	 Playhouse Working Class - LaBella Associates, 300 State St #201, Rochester, NY 14614 1. Bring all work to date (sketches, laptops, anything to be productive) 2. Present playhouse drawings to the group 3. Utilize time with Mentors to make sure dimensions are correct & materials are labeled.
	Assignment: Produce scaled playhouse drawings
Thursday, December 7 4:30 pm – 6:30 pm	 Intro to Design Software / Working Class – TBD 1. Introduction to SketchUp & Revit 2. Work in groups to continue developing playhouse drawings Assignment: Produce scaled playhouse drawings
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Thursday, December 14 4:30 pm - 6:30 pm	 Playhouse Working Class – Finish Playhouse Design - LaBella Associates, 300 State St #201, Rochester, NY 14614 Bring all work to date (sketches, laptops, anything to be productive) Present playhouse drawings to the group Utilize time with Mentors to make sure dimensions are correct & materials are labeled. Playhouse drawings DUE at end of class!
Saturday, December 16 8:00 am – 12:00 Mentors Optional	Heating & Sheet Metal Class – Local Union #46, 244 Paul Road, Rochester, New York 14624 WORK BOOTS ARE REQUIRED
	This is a working class in sheet metal duct work
Thursday, December 21 4:30 pm – 6:30 pm	 Civil Engineering – Bergmann, 280 E Broad St #200, Rochester, NY 14604 1. Overview of civil engineering types 2. Specific project examples and job expectations 3. Hands on activities including pipeline design and stormwater modeling
Thursday, December 28	NO CLASS – CHRISTMAS HOLIDAY
Thursday, January 4 4:30 pm – 7:30 pm	 Playhouse Construction Day 1 – Build Day - ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 WORK BOOTS ARE REQUIRED. Wear clothes that can get dirty/painted.
Thursday, January 11 4:30 pm – 7:30 pm	 Playhouse Construction Day 2 –Build Day – ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 WORK BOOTS ARE REQUIRED. Wear clothes that can get dirty/painted.
Saturday, January 13 8:00 am – 12:00 pm Mentors Optional	METAL STUD FRAMING COMPETITION - Carpenters Union Hall Training Facility, 21 Jetview Drive, Rochester, NY 14624) WORK BOOTS ARE REQUIRED
Thursday, January 18 4:30 pm – 7:30 pm	 Playhouse Construction Day 3 – Build Day – ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615 WORK BOOTS ARE REQUIRED. Wear clothes that can get dirty/painted.



Saturday, January 20 8:00 am – 12:00 pm	Electrical Construction – Worldwide Electric Corporation, 3540 Winton Place, Rochester, NY 14623
Mentors Optional	WORK BOOTS ARE REQUIRED
	 Learn how to bend electrical conduit Learn how to wire a switch and light fixture Learn how to wire an electrical outlet
Thursday, January 25 4:30 pm – 7:30 pm	Playhouse Construction Day 4 – Build Day – ITEC Training and Education Center, 105 McLaughlin Rd., Rochester, New York 14615
	WORK BOOTS ARE REQUIRED. Wear clothes that can get dirty/painted.
Thursday, February 1 4:30 pm – 6:30 pm	Working Class for House Design – LaBella Associates, 300 State St #201, Rochester, NY 14614
	 House project assigned Begin discussions of site, client, and how your house will relate to your playhouse
	Assignment: Choose site for house design and continue developing floor plans. Draw site diagrams showing how the house is situated on the site.
Thursday, February 15 4:30 pm – 6:30 pm	Working Class for House Design – LaBella Associates, 300 State St #201, Rochester, NY 14614
	 Bring all work to date (sketches, laptops, anything to be productive) Present house designs to the group / receive feedback
	 Work with mentors on 3D model, plans, sections, elevations, etc.
	Assignment: Continue to develop design and drawings
Thursday, February 22	NO CLASS – PRESIDENT'S WEEK VACATION
Thursday, February 29 4:30 pm – 6:30 pm	LEGO Project Management Game – House Design Working Class - The Pike Company, 1 Circle Street, Rochester, NY 14607
	 Bring all work to date (sketches, laptops, anything to be productive) Work with mentors on 3D model, plans, sections, elevations, etc.
	Assignment: Continue to develop house drawings
Thursday, March 7 4:30 pm – 6:30 pm	Working Class – LaBella Associates, 300 State St #201, Rochester, NY 14614
4.50 pm – 0.50 pm	1. Bring all work to date (sketches, laptops, anything to be productive)
	 Present house designs to the group / receive feedback Work with mentors on 3D model, plans, sections, elevations, etc.
	1. Assignment – Finalize all drawings, materials, and presentation boards.
Saturday, March 9	Masonry Training – Local #3, 33 Saginaw Dr, Rochester, NY 14623
8:00 am – 12:00 pm Mentors Optional	WORK BOOTS ARE REQUIRED



Thursday, March 14	Presentation Skills – Builder's Exchange, 180 Linden Oaks # 100, Rochester, NY 14625
4:30 pm – 6:30 pm	1. Dry run of presentations with critique
	Assignment: Make note cards (optional), practice, practice, practice!
	FINAL HOUSE DESIGNS ARE DUE
Friday, March 22 4:00pm - 7:00pm	FINAL PRESENTATIONS / GRADUATION Location TBD
	 Hors d'oeuvres, networking Student presentations Presentation of graduation certificates, tool vouchers, and scholarships
Saturday, March 23	C.P. Ward Field Trip – The Pike Company, 1 Circle Street, Rochester, New York 14607
8:00am – 12:30 pm Mentors & Students Optional	WORK BOOTS ARE REQUIRED
	 Meet at the Pike office at 8 am School bus departs at 8:05 am for C.P. Ward Inc. (100 West River Road, Scottsville, NY) There will be 4 classes, which will rotate every 50 minutes a. Estimating b. Equipment maintenance: Diesel Mechanic c. G.P.S. Surveying d. Operating a piece of equipment Depart C.P. Ward at 12:00 pm; arrive back at the Pike office at 12:30 pm