

ACE MENTOR PROGRAM OF ROCHESTER COMMUNITY PARK SYLLABUS 2021 – 2022



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Date	Locations & Descriptions
Thursday, September 9 6:00 pm – 7:00 pm Mentors Optional	Student Open House – The Pike Company, 1 Circle Street, Rochester, NY 14607 <ul style="list-style-type: none"> Overview of program and expectations Parents welcome to attend
Thursday, September 16	Student application deadline (www.acementor.org)
Thursday, September 23	Notification sent to all applicants via email
Tuesday, October 5 4:30 pm - 6:30 pm	Meeting #1 – Introductions and Civil Drawings - Builders Exchange of Rochester, 180 Linden Oaks, Rochester, NY 14625 <ol style="list-style-type: none"> 1. Mentor’s Introductions (7-8 minutes) 2. Student Introductions – what high school, what grade, why did you join ACE (10-15 minutes) 3. We need everyone’s shirt and shoe size 4. PowerPoint Presentation; commentary by mentors (15-20 minutes) 5. Pizza (5:15-5:30 pm) 6. Purpose of Civil Drawings (5-8 minutes) 7. How to read Civil Drawings (40 minutes) <ol style="list-style-type: none"> a. Plot Plan, Contours, Details b. Utilities c. Plantings d. Roads & hard surfaces 8. 5 Question Quiz Assignment: Get permission form signed & research the area.
Saturday, October 9 9:00 am - 12:00 pm Mentors Optional	Meeting #2 – Site Field Trip - The Pike Company, 1 Circle Street, Rochester, NY 14607 THIS IS A RAIN OR SUNSHINE EVENT; DRESS APPROPRIATELY <ol style="list-style-type: none"> 1. School bus arrives 9:15 am – Field trip to site in Pittsford 2. Depart 9:15 am; arrive 9:35 am – Discuss possible Programming & Site Analysis 3. Walk the site, review Plot plan and Topographical plan (2 hours) 4. Depart Site 11:35 am; arrive 12:00 pm
Tuesday, October 12 4:30 pm - 6:30 pm	Meeting #3 – Scaling and Site Utilities - Builders Exchange of Rochester, 180 Linden Oaks, Rochester, NY 14625 <ol style="list-style-type: none"> 1. Divide students into teams 2. Teach about Engineer’s Rule (20 minutes) 3. Site Utilities: Sewer, Water, Electric, Stormwater, detention/retention ponds 4. Utilization of onion paper pass out plans, onion paper, engineer’s rule to each team 5. Place students in teams Assignment: Develop inspiration of your park individually

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Tuesday, October 19 4:30 pm – 6:30 pm	Meeting #4 – Site Design Process & the Art of Presenting with Dave Benetti - Bergmann Associates, 280 E. Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> 1. Dave Benetti to explain how to present as a team 2. Site layout and how to begin to design 3. Site Access – Vehicular and Pedestrian and ADA 4. Pizza delivery at 4:45 pm 5. Landscaping Assignment: Create bubble diagrams of your park individually
Tuesday, October 26 4:30 pm – 6:30 pm	Meeting #5 – Working Class - Bergmann Associates, 280 E. Broad St #200, Rochester, NY 14604 <ol style="list-style-type: none"> 1. Finalized bubble diagram that meets the program due at the end of class 2. Start park layout designs 3. Pizza deliver at 4:45 pm 4. Mentors critique teams concept designs Assignment: Continue working on design
Saturday, October 30 8:00 am – 12:00 pm Mentors Optional	Meeting #6 – Concrete Footing Competition - Pike Company Warehouse, 936 E. Main Street, Rochester, NY 14605 DRESS WARM – EVERYONE MUST WEAR THEIR WOOK BOOTS <ol style="list-style-type: none"> 1. Four Companies will be competing: <ol style="list-style-type: none"> a. The Pike Company b. LeChase c. Manning Squires Henning d. Ironwood 2. Juice and Donuts
Tuesday, November 2 4:30 pm – 6:30 pm	Meeting #7 – Working Class - LaBella Associates, 300 State Street Suite 201, Rochester, NY 14614 <ol style="list-style-type: none"> 1. Continue working on park design 2. Discuss ancillary elements: restrooms, gazebos, pavilions and benches 3. Pizza delivery at 4:45 pm 4. Teams practice presenting their designs 5. Mentors continue critiquing teams designs and presentation skills Assignment: Continue working on design
Tuesday, November 9 4:30 pm - 6:30 pm	Meeting #8 –Working Class - LaBella Associates, 300 State Street Suite 201, Rochester, NY 14614 <ol style="list-style-type: none"> 1. Finalize design 2. Pizza delivery at 4:45 pm 3. Teams practice presenting their designs 4. Mentors continue critiquing team’s designs and presentation skills Assignment: Layout of poster boards

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<p>Saturday, November 13? 11:00 am – 1:00 pm Mentors Optional</p>	<p>Meeting #9 – RIT Campus Tour – Parents Welcome!</p>
<p>Tuesday, November 16 4:30 pm – 6:30 pm</p>	<p>Meeting #10 – Team Working Class -Bergmann Associates, 280 E. Broad St #200, Rochester, NY 14604</p> <ol style="list-style-type: none"> 1. Poster Boards Layout Design 2. Dave Benetti will critique every group’s presentation <p>Assignment: Final presentation boards to be submitted by 12/1/21 via email.</p>
<p>Saturday, December 4 8:00 am – 12:00 Mentors Optional</p>	<p>Meeting #11 – Metal Stud Framing - Rochester Davis Fetch Warehouse, 175 Dodge St, Rochester, NY 14606</p> <p style="text-align: center;">EVERYONE MUST WEAR THEIR WORK BOOTS</p> <ol style="list-style-type: none"> 1. Metal stud framing 2. Juice & donut break at 9:45 am 3. Install Hollow Metal Door Frame 4. Install Drywall
<p>Tuesday, December 7 4:30 pm - 6:30 pm</p>	<p>Meeting #12 – Park Design Presentations - Bergmann Associates, 280 E. Broad St #200, Rochester, NY 14604</p> <ol style="list-style-type: none"> 1. Poster Boards are due 2. Present Park Design – electronically 3. Kick off second half of the Program: PowerPoint presentation of Rochester Sunshine Camp guest speaker from Rotary Sunshine Camp <p>Assignment: Students need to work on individual design of picnic tables and benches for class review on December 21st</p>
<p>Saturday, December 11 8:00 am – 12:00 pm Mentors Optional</p>	<p>Meeting #13 – Plumbing - Local 13 Plumbers & Pipefitters Training Center, 1850 Mt Read Blvd, Rochester, NY 14615</p> <p style="text-align: center;">EVERYONE MUST WEAR THEIR WORK BOOTS</p> <ol style="list-style-type: none"> 1. Students will receive hands-on experience in the following areas: <ol style="list-style-type: none"> a. Welding b. Brazing Pipes c. Cutting Steel with acetylene torches d. Soldering copper pipes 2. Juice & donuts to be served
<p>Tuesday, December 14 4:30 pm – 6:30 pm</p>	<p>Meeting #14 –Team Working Class - Passero Associates, 242 West Main Street, Rochester, NY 14614</p> <p>Review Materials and Inspirations</p> <ol style="list-style-type: none"> 1. Make final selection from individual designs 2. Begin designing picnic tables and benches <p>Assignment: Continue working on design</p>
<p>Tuesday, December 21 4:30 pm – 6:30 pm</p>	<p>Meeting #15 – Team Working Class - SWBR Architects, 387 East Main Street Suite 500, Rochester, NY 14604</p> <ol style="list-style-type: none"> 1. Continue working on design of tables and benches for Rochester Rotary Sunshine Camp <p>Assignment: Continue working on design</p>

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<p>Tuesday, January 11, 2022 4:30 pm – 6:30 pm</p>	<p>Meeting #16 – Bergmann and Associates – 280 East Broad Street, Suite 200, Rochester, NY 14604 Identify Finishes, Materials and Dimensions</p> <ol style="list-style-type: none"> 1. Finalize Sunshine Camp Designs 2. Prepare design submission to Rochester Rotary Sunshine Camp for approval
<p>Tuesday, January 18, 2022 4:30 pm – 6:30 pm Mentors Optional</p>	<p>Meeting #17 – Roofing & Painting - Upstate Roofing & Painting, 1300 County Rd 85, Rochester, NY 14623 EVERYONE MUST WEAR THEIR WORK BOOTS</p> <ol style="list-style-type: none"> 1. Students learn about rubber roofing 2. Asphalt shingle roofing 3. Painting, drywall & trim
<p>Saturday, January 29 8:00 am – 12:00 pm Mentors Optional</p>	<p>Meeting #18 – Electrical Construction - NECA, 470 West Metro Park, Suite B, Rochester, NY 14623</p> <ol style="list-style-type: none"> 1. Electrical Training
<p>Tuesday, February 8 4:30 pm – 7:30 pm</p>	<p>Meeting #19 – Build Day 1 - The Pike Company, 1 Circle Street, Rochester, NY 14607 DRESS WARM – EVERYONE MUST WEAR THEIR WORK BOOTS</p> <ol style="list-style-type: none"> 1. Begin building picnic tables and benches
<p>Tuesday, February 15 4:30 pm – 7:30 pm</p>	<p>Meeting #20 – Build Day 2 - Pike Company Warehouse, 936 E. Main Street, Rochester, NY 14605 DRESS WARM – EVERYONE MUST WEAR THEIR WORK BOOTS</p> <ol style="list-style-type: none"> 1. Continue building picnic tables and benches 2. Pizza delivery at 4:30 pm 3. Scholarship and Tool Voucher Announcement <p>Assignment: Complete and submit scholarship and tool voucher application</p>
<p>Tuesday, February 15</p>	<p>NO CLASS – PRESIDENT’S WEEK</p>
<p>Tuesday, March 1 4:30 pm – 7:30 pm</p>	<p>Meeting #21 – Build Day 3 - Pike Company Warehouse, 936 E. Main Street, Rochester, NY 14605 EVERYONE NEEDS TO WEAR THEIR WORK BOOTS</p> <ol style="list-style-type: none"> 1. Finish building picnic tables and benches 2. Pizza delivery at 4:30 pm
<p>Tuesday, March 8 4:30 pm – 6:30 pm</p>	<p>Meeting #22 – Construction Cost Estimating - LECESSE Construction–Estimating Office, 15 Circle, Rochester, NY 14607</p> <ol style="list-style-type: none"> 1. Rochester Skate Park Estimate 2. SCHOLARSHIP & TOOL VOUCHER APPLICATIONS ARE DUE

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<p>Tuesday, March 15 4:30 pm – 6:30 pm Mentors Optional</p>	<p>Meeting #23 – Resume Preparation - Rochester Builders Exchange, 180 Linden Oaks # 100, Rochester, NY 14625</p> <ol style="list-style-type: none"> 1. Event: “How to Build a Resume” – Guest Instructor Mr. Paul Bush 2. Practice Presenting Park and Bench/Table Design
<p>Saturday, March 19 7:45 am – 12:30 pm</p>	<p>Meeting #24 – CP Ward Field Trip - The Pike Company, 1 Circle Street, Rochester, NY 14607</p> <ol style="list-style-type: none"> 1. Meet at Pike’s Office at 7:45 am 2. School bus departs at 8:00 am for C.P. Ward Inc, 100 West River Rd, Scottsville, NY for Site Work 3. There will be 4 classes which will rotate every 50 minutes: <ol style="list-style-type: none"> a. Estimating b. Equipment Maintenance; Diesel Mechanic c. G.P.S. Surveying d. Operate a piece of equipment 4. Depart C.P. Ward at 12:00 pm; arrive back at The Pike Company at 12:30 pm
<p>Saturday, April 9, 2022 9:00 am – 2:30 pm</p>	<p style="text-align: center;">FAMILY WORKDAY – ROCHESTER SUNSHINE CAMP GRADUATION (EVERYONE NEEDS TO WEAR THEIR WORK BOOTS)</p> <ol style="list-style-type: none"> 1. Work Items to include the following: <ol style="list-style-type: none"> a. Remove old benches from Chapel area b. Install new benches at Chapel area c. Place new picnic tables and benches d. Paint existing buildings e. Remove & replace existing wood sliding f. Spring Cleanup 2. 12:30 Lunch Provided 3. 2:30 Graduation begins including Scholarship Awards 4. Present Park Bench/Table Design