



# National Youth Leadership Forum: Pathways to STEM

Seattle Airport Marriott

July 11-July 15, 2021

## Sunday, July 11, 2021

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| 7:45 AM-8:30 AM   | <b>Registration</b>                                                       |
| 8:30 AM-9:30 AM   | <b>Welcome to NYLF: Pathways to STEM</b>                                  |
| 9:30 AM-9:45 AM   | <b>Leadership</b><br><i>Goal Setting</i>                                  |
| 9:45 AM-10:30 AM  | <b>Leadership</b><br><i>Emotional Awareness</i>                           |
| 10:30 AM-10:45 AM | <b>Team Builder</b>                                                       |
| 10:45 AM-12:00 PM | <b>CSI</b><br><i>Intro to CSI: Powdery Substances</i>                     |
| 12:00 PM-1:00 PM  | <b>Lunch</b>                                                              |
| 1:00 PM-2:00 PM   | <b>Leadership</b><br><i>Building a Team</i>                               |
| 2:00 PM-3:00 PM   | <b>Recreation Time</b>                                                    |
| 3:00 PM-3:10 PM   | <b>Snack Break</b>                                                        |
| 3:10 PM-4:05 PM   | <b>Medicine (B)</b><br><i>Intro to Medicine: Emergency Medicine</i>       |
| 3:10 PM-4:25 PM   | <b>Engineering (A)</b><br><i>Intro to Engineering: Building your mBot</i> |
| 4:10 PM-5:25 PM   | <b>Engineering (B)</b><br><i>Intro to Engineering: Building your mBot</i> |
| 4:30 PM-5:25 PM   | <b>Medicine (A)</b><br><i>Intro to Medicine: Emergency Medicine</i>       |
| 5:30 PM           | <b>Daily Check-Out</b>                                                    |
| 6:00 PM-7:00 PM   | <b>Dinner*</b><br><i>For Extended Day Scholars ONLY</i>                   |
| 7:00 PM-8:00 PM   | <b>Evening Team Time*</b><br><i>For Extended Day Scholars ONLY</i>        |
| 8:10 PM           | <b>Extended Day Check-Out*</b><br><i>For Extended Day Scholars ONLY</i>   |

## Monday, July 12, 2021

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| 7:15 AM-7:30 AM | <b>Extended Day Check-In*</b><br><i>For Extended Day Scholars ONLY</i> |
| 7:45 AM-8:30 AM | <b>Daily Check-In</b>                                                  |

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| 7:45 AM-8:30 AM   | <b>Breakfast*</b><br><i>For Extended Day Scholars ONLY</i>              |
| 8:30 AM-9:15 AM   | <b>Leadership</b><br><i>Communication</i>                               |
| 9:15 AM-10:30 AM  | <b>Medicine (A)</b><br><i>Creating a Model Lung</i>                     |
| 9:15 AM-10:30 AM  | <b>Engineering (B)</b><br><i>Introduction to Programming</i>            |
| 10:35 AM-11:50 AM | <b>Engineering (A)</b><br><i>Introduction to Programming</i>            |
| 10:35 AM-11:50 AM | <b>Medicine (B)</b><br><i>Creating a Model Lung</i>                     |
| 11:50 AM          | <b>Group Photo</b><br><i>STEM Group Rotations</i>                       |
| 12:00 PM-1:00 PM  | <b>Lunch</b>                                                            |
| 1:00 PM-2:00 PM   | <b>CSI</b><br><i>Blood Drop Replication</i>                             |
| 2:00 PM-3:00 PM   | <b>Recreation Time</b>                                                  |
| 3:00 PM-3:15 PM   | <b>Snack Break</b>                                                      |
| 3:15 PM-4:00 PM   | <b>Presentations</b><br><i>Prep and Practice</i>                        |
| 4:10 PM-5:20 PM   | <b>STEM Challenge</b><br><i>Building Amusement Park Rides</i>           |
| 5:30 PM           | <b>Daily Check-Out</b>                                                  |
| 6:00 PM-7:00 PM   | <b>Dinner*</b><br><i>For Extended Day Scholars ONLY</i>                 |
| 7:00 PM-8:00 PM   | <b>Evening Team Time*</b><br><i>For Extended Day Scholars ONLY</i>      |
| 8:10 PM           | <b>Extended Day Check-Out*</b><br><i>For Extended Day Scholars ONLY</i> |

## Tuesday, July 13, 2021

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| 7:15 AM-7:30 AM | <b>Extended Day Check-In*</b><br><i>For Extended Day Scholars ONLY</i> |
| 7:45 AM-8:30 AM | <b>Daily Check-In</b>                                                  |
| 7:45 AM-8:30 AM | <b>Breakfast*</b><br><i>For Extended Day Scholars ONLY</i>             |

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| <b>8:30 AM-9:15 AM</b>   | <b>Leadership</b><br><i>Collaboration</i>                               |
| <b>9:15 AM-10:30 AM</b>  | <b>Medicine (A)</b><br><i>Calf Heart Dissection</i>                     |
| <b>9:15 AM-10:30 AM</b>  | <b>Engineering (B)</b><br><i>mBot Programming Mission</i>               |
| <b>10:30 AM-10:45 AM</b> | <b>Team Builder</b>                                                     |
| <b>10:45 AM-12:00 PM</b> | <b>Engineering (A)</b><br><i>mBot Programming Mission</i>               |
| <b>10:45 AM-12:00 PM</b> | <b>Medicine (B)</b><br><i>Calf Heart Dissection</i>                     |
| <b>12:00 PM-1:00 PM</b>  | <b>Lunch</b>                                                            |
| <b>1:00 PM-2:00 PM</b>   | <b>CSI</b><br><i>Blood Drop Analysis</i>                                |
| <b>2:00 PM-3:00 PM</b>   | <b>Recreation Time</b>                                                  |
| <b>3:00 PM-3:15 PM</b>   | <b>Snack Break</b>                                                      |
| <b>3:15 PM-4:00 PM</b>   | <b>Presentations</b><br><i>Prep and Practice</i>                        |
| <b>4:10 PM-5:20 PM</b>   | <b>STEM Challenge</b><br><i>Building Amusement Park Rides</i>           |
| <b>5:30 PM</b>           | <b>Daily Check-Out</b>                                                  |
| <b>6:00 PM-7:00 PM</b>   | <b>Dinner*</b><br><i>For Extended Day Scholars ONLY</i>                 |
| <b>7:00 PM-8:00 PM</b>   | <b>Evening Team Time*</b><br><i>For Extended Day Scholars ONLY</i>      |
| <b>8:10 PM</b>           | <b>Extended Day Check-Out*</b><br><i>For Extended Day Scholars ONLY</i> |

### Wednesday, July 14, 2021

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|--------------------------|------------------------------------------------------------------------|
| <b>7:15 AM-7:30 AM</b>   | <b>Extended Day Check-In*</b><br><i>For Extended Day Scholars ONLY</i> |
| <b>7:45 AM-8:30 AM</b>   | <b>Daily Check-In</b>                                                  |
| <b>7:45 AM-8:30 AM</b>   | <b>Breakfast*</b><br><i>For Extended Day Scholars ONLY</i>             |
| <b>8:30 AM-9:15 AM</b>   | <b>Leadership</b><br><i>Critical Thinking</i>                          |
| <b>9:15 AM-10:30 AM</b>  | <b>Medicine (A)</b><br><i>Diagnosing Snakebites</i>                    |
| <b>9:15 AM-10:30 AM</b>  | <b>Engineering (B)</b><br><i>Building Bridges</i>                      |
| <b>10:30 AM-10:45 AM</b> | <b>Team Builder</b>                                                    |

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|--------------------------|-------------------------------------------------------------------------|
| <b>10:45 AM-12:00 PM</b> | <b>Engineering (A)</b><br><i>Building Bridges</i>                       |
| <b>10:45 AM-12:00 PM</b> | <b>Medicine (B)</b><br><i>Diagnosing Snakebites</i>                     |
| <b>12:00 PM-1:00 PM</b>  | <b>Lunch</b>                                                            |
| <b>1:00 PM-2:00 PM</b>   | <b>CSI</b><br><i>Analyzing Fingerprints</i>                             |
| <b>2:00 PM-3:00 PM</b>   | <b>Recreation Time</b>                                                  |
| <b>3:00 PM-3:15 PM</b>   | <b>Snack Break</b>                                                      |
| <b>3:15 PM-4:00 PM</b>   | <b>Presentations</b><br><i>Prep and Record</i>                          |
| <b>4:10 PM-5:20 PM</b>   | <b>STEM Challenge</b><br><i>Building Amusement Park Rides</i>           |
| <b>5:30 PM</b>           | <b>Daily Check-Out</b>                                                  |
| <b>6:00 PM-7:00 PM</b>   | <b>Dinner*</b><br><i>For Extended Day Scholars ONLY</i>                 |
| <b>7:00 PM-8:00 PM</b>   | <b>Evening Team Time*</b><br><i>For Extended Day Scholars ONLY</i>      |
| <b>8:10 PM</b>           | <b>Extended Day Check-Out*</b><br><i>For Extended Day Scholars ONLY</i> |

### Thursday, July 15, 2021

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| <b>7:15 AM-7:30 AM</b>   | <b>Extended Day Check-In*</b><br><i>For Extended Day Scholars ONLY</i> |
| <b>7:45 AM-8:30 AM</b>   | <b>Daily Check-In</b>                                                  |
| <b>7:45 AM-8:30 AM</b>   | <b>Breakfast*</b><br><i>For Extended Day Scholars ONLY</i>             |
| <b>8:30 AM-9:15 AM</b>   | <b>Leadership</b><br><i>Goal Setting</i>                               |
| <b>9:15 AM-10:30 AM</b>  | <b>Presentations</b><br><i>Prep and Record</i>                         |
| <b>10:30 AM-10:45 AM</b> | <b>Team Builder</b>                                                    |
| <b>10:45 AM-11:45 AM</b> | <b>STEM Challenge</b><br><i>Building Amusement Park Rides</i>          |
| <b>11:45 AM-12:30 PM</b> | <b>Lunch</b>                                                           |
| <b>12:45 PM-1:45 PM</b>  | <b>STEM Challenge</b><br><i>Amusement Park Showcase</i>                |
| <b>1:45 PM-3:30 PM</b>   | <b>Program Celebration</b>                                             |
| <b>3:30 PM</b>           | <b>Program Departure</b>                                               |

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