



# National Youth Leadership Forum: Pathways to STEM

**Southeastern University**

**July 26-July 30, 2021**

## Monday, July 26, 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> <i>Goal Setting</i>
9:45 AM-10:30 AM	<b>Leadership</b> <i>Emotional Awareness</i>
10:30 AM-10:45 AM	<b>Team Builder</b>
10:45 AM-12:00 PM	<b>CSI</b> <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> <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> <i>Intro to Medicine: Emergency Medicine</i>
3:10 PM-4:25 PM	<b>Engineering (A)</b> <i>Intro to Engineering: Building your mBot</i>
4:10 PM-5:25 PM	<b>Engineering (B)</b> <i>Intro to Engineering: Building your mBot</i>
4:30 PM-5:25 PM	<b>Medicine (A)</b> <i>Intro to Medicine: Emergency Medicine</i>
5:30 PM	<b>Daily Check-Out</b>
6:00 PM-7:00 PM	<b>Dinner*</b> <i>For Extended Day Scholars ONLY</i>
7:00 PM-8:00 PM	<b>Evening Team Time*</b> <i>For Extended Day Scholars ONLY</i>
8:10 PM	<b>Extended Day Check-Out*</b> <i>For Extended Day Scholars ONLY</i>

## Tuesday, July 27, 2021

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

## Wednesday, July 28, 2021

7:15 AM-7:30 AM	<b>Extended Day Check-In*</b> <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> <i>For Extended Day Scholars ONLY</i>

<b>8:30 AM-9:15 AM</b>	<b>Leadership</b> <i>Collaboration</i>
<b>9:15 AM-10:30 AM</b>	<b>Medicine (A)</b> <i>Calf Heart Dissection</i>
<b>9:15 AM-10:30 AM</b>	<b>Engineering (B)</b> <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> <i>mBot Programming Mission</i>
<b>10:45 AM-12:00 PM</b>	<b>Medicine (B)</b> <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> <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> <i>Prep and Practice</i>
<b>4:10 PM-5:20 PM</b>	<b>STEM Challenge</b> <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> <i>For Extended Day Scholars ONLY</i>
<b>7:00 PM-8:00 PM</b>	<b>Evening Team Time*</b> <i>For Extended Day Scholars ONLY</i>
<b>8:10 PM</b>	<b>Extended Day Check-Out*</b> <i>For Extended Day Scholars ONLY</i>

### Thursday, July 29, 2021

<b>7:15 AM-7:30 AM</b>	<b>Extended Day Check-In*</b> <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> <i>For Extended Day Scholars ONLY</i>
<b>8:30 AM-9:15 AM</b>	<b>Leadership</b> <i>Critical Thinking</i>
<b>9:15 AM-10:30 AM</b>	<b>Medicine (A)</b> <i>Diagnosing Snakebites</i>
<b>9:15 AM-10:30 AM</b>	<b>Engineering (B)</b> <i>Building Bridges</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> <i>Building Bridges</i>
<b>10:45 AM-12:00 PM</b>	<b>Medicine (B)</b> <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> <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> <i>Prep and Record</i>
<b>4:10 PM-5:20 PM</b>	<b>STEM Challenge</b> <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> <i>For Extended Day Scholars ONLY</i>
<b>7:00 PM-8:00 PM</b>	<b>Evening Team Time*</b> <i>For Extended Day Scholars ONLY</i>
<b>8:10 PM</b>	<b>Extended Day Check-Out*</b> <i>For Extended Day Scholars ONLY</i>

### Friday, July 30, 2021

<b>7:15 AM-7:30 AM</b>	<b>Extended Day Check-In*</b> <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> <i>For Extended Day Scholars ONLY</i>
<b>8:30 AM-9:15 AM</b>	<b>Leadership</b> <i>Goal Setting</i>
<b>9:15 AM-10:30 AM</b>	<b>Presentations</b> <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> <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> <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>