

Thank you to our hosts and sponsors for making this event possible



**Parent Night Agenda  
Monday, February 25, 2019**

**Location: Nordson, 2765 Loker Ave W, Carlsbad, CA 92010**

Time	Duration	Topic	Location	Owner/Presenter
6:00 – 6:10 PM	10 min	<b>Welcome</b>	B-3, Big Training Room	Joe Stockunas, Nordson
6:10 – 6:45 PM	35 min	<b>HTU video, program overview and logistics</b>	B-3, Big Training Room	Bryson Gauff, SEMI
6:45 – 7:00 PM	15 min	<b>Q &amp; A</b>	B-3, Big Training Room	SEMI Team
7:00 PM		<b>Adjourn</b>	B-3, Big Training Room	

**Day One Agenda**  
**Tuesday, February 26, 2019**

**Location: Nordson, 2765 Loker Ave W, Carlsbad, CA 92010**

Time	Duration	Topic	Location	Owner/Presenter
8:00 – 8:30	30 min	<b>Check-in, pre-surveys &amp; personality survey</b> ( <i>light breakfast available</i> )	B-3, Big Training Room	SEMI Team
8:30 – 8:45	10 min	<b>Welcome, safety &amp; program overview</b>	B-3, Big Training Room	Joe Stockunas, Nordson
8:45 – 9:15	35 min	<b>Desired Behaviors &amp; Student Introduction Activity</b>	B-3, Big Training Room	Bryson Gauff, SEMI
9:15– 10:15	60 min	<b>Education &amp; Career Pathways:</b> Learn about educational and career pathways that can lead to exciting jobs in high tech industries.	B-3, Big Training Room	Garrett Wong, Nordson
10:15 – 10:30	15 min	<b>Break</b>	B-3, Big Training Room	
10:30 – 11:30	60 min	<b>Microchips and Solar Chips:</b> Simulate the layering process used in chip manufacturing.	B-3, Big Training Room	Al Lewis, Nordson
11:30 – 12:30	60 min	<b>Quality Control - Statapult:</b> Learn how medieval technology relates to modern day chip making in this math and statistics exercise.	B-3, Big Training Room	Ilya Barenblit, Nordson
12:30 – 1:15	45 min	<b>Lunch and class photo</b>	B-3, Big Training Room	
1:15 – 2:15	60 min	<b>Chemistry – Matter Matters:</b> Learn about conductivity and electricity using batteries, light bulbs and salt water. The module is linked through a team game that tests their knowledge of the periodic table.	B-3, Big Training Room	Cutler Crowell and Adam Cordi, Nordson
2:15 – 2:30	15 min	<b>Break</b>	B-3, Big Training Room	
2:30 – 4:00	90 min	<b>Engineering Design Challenge:</b> Students focus on design process and how it applies to critical thinking; teams design and build a prototype carrier.	B-3, Big Training Room	Dannah Almasco, Nordson
4:00 – 4:30	30 min	<b>Review the day, plan for tomorrow</b>	B-3, Big Training Room	Bryson Gauff, SEMI
4:30		<b>Adjourn</b>		

**Day Two Agenda**  
**Wednesday, February 27, 2019**

**Location: Nordson, 2765 Loker Ave W, Carlsbad, CA 92010 and, UC San Diego, 9500 Gilman Dr., La Jolla, CA 92093**

Time	Duration	Topic	Location	Owner/Presenter
8:00 – 8:30	30 min	<b>Check-in</b> ( <i>light breakfast available</i> )	B-3, Big Training Room	Team
8:30 – 9:15	45 min	<b>Welcome, overview of the day, Student Introduction Activity</b>	B-3, Big Training Room	Bryson Gauff, SEMI
9:15 – 10:00	45 min	<b>Board bus for transport to UCSD</b>		
10:00 – 10:05	5 min	<b>UCSD Greets students and split into groups</b>		UCSD
10:05 – 11:00	55 min	<b>Group Activity</b>		UCSD
11:00 – 12:00	60 min	<b>Campus tour</b>		UCSD
12:00 – 1:15	75 min	<b>Working lunch: includes student panel discussion (15 min)</b>		UCSD
1:15 – 2:00	45 min	<b>Board bus and return to Nordson</b>		Team
2:00 – 2:15	15 min	<b>Transition to classroom/break</b>	B-3, Big Training Room	
2:15 – 3:45	90 min	<b>Gates &amp; Human Calculator:</b> Learn about three kinds of gates (“and” “or” and “not” gates) in order to lay the foundation for playing the Human Calculator game. Using a “feet on” exercise like the game “Twister” participants simulate the flow of electrons as binary numbers translate to decimal.	B-3, Big Training Room	<b>Greg Butler and James Walker, Nordson</b>
3:45 – 4:30	45 min	<b>Review the day, nominations, plan for tomorrow</b>	B-3, Big Training Room	Bryson Gauff, SEMI
4:30		<b>Adjourn</b>		

**Day Three Agenda**  
**Thursday, February 28, 2019**

**Location: Nordson, 2765 Loker Ave W, Carlsbad, CA 92010**

Time	Duration	Topic	Location	Owner/Presenter
8:00 – 8:30	30 min	<b>Check in</b> ( <i>light breakfast available</i> )	B-3, Big Training Room	Team
8:30 – 8:45	15 min	<b>Welcome, safety, overview of the day</b>	B-3, Big Training Room	Bryson Gauff, SEMI
8:45 – 9:30	45 min	<b>Student Introductions, nominations</b>	B-3, Big Training Room	Bryson Gauff, SEMI
9:30 – 9:45	15 min	<b>Break</b>	B-3, Big Training Room	
9:45 – 11:15	90 min	<b>Critical Thinking – Problem Based Learning:</b> Work in groups to improve situations in third world countries by proposing solar solutions. Case studies reflect actual situations in countries around the globe.	B-3, Big Training Room	Jennifer Luoma, Nordson
11:15 – 12:15	60 min	<b>Host tour</b>	B-3, Big Training Room	Nordson Tour Guides
12:15 – 1:00	45 min	<b>Lunch:</b> Teams work on graduation presentations	B-3, Big Training Room	
1:00 – 2:00	60 min	<b>Interview Preparation and Techniques:</b> Learn how to do your best in an interview. HR professionals lead students through a behavioral interview.	B-3, Big Training Room	Ray McHenry, Nordson
2:00 – 2:15	15 min	<b>Break</b>		
2:15 – 2:20	5 min	<b>Divide into two groups:</b>	B-3, Big Training Room	
2:20 – 2:50	30 min	<b>Session I: Mock Interviews/Goal Setting</b>	B-3, Big Training Room	Mock Interviewers Roberta Foster-Smith, Nordson
2:50 – 2:55	5 min	<i>Transition: Students switch sessions</i>		
2:55 – 3:25	30 min	<b>Session II: Goal Setting/Mock Interviews</b>		
3:25 – 4:00	35 min	<b>Surveys, next steps, graduation rehearsal</b>	B-3, Big Training Room	Bryson Gauff, SEMI
4:00 – 4:15	15 min	<b>Graduation slide show</b>	B-3, Big Training Room	
4:15 – 5:00	45 min	<b>Graduation</b>	B-3, Big Training Room	Team
5:00 – 5:30	30 min	<b>Reception</b>	B-3, Big Training Room	Team
5:30		<b>Adjourn</b>		

*NOTE: Mock interviewer's "Just-in-Time" training begins at 1:50; no advance preparation required.*