

# Jr High Summer Institute 2010

Week 3  
July 19 - July 23, 2010

In this course your student will be introduced to the design and setup of automated, robotic systems, as well as hands on manufacturing with real machine tools. The first part of the week is spent building and programming robotic systems while the second part of the week is spent fabricating a catapult using machinery and hand tools such as a lathe, mill, bending brake, shear, arbor press, punches and a variety of hand tools. A great track for someone interested in a career in engineering or manufacturing. Safe operation of machinery and tools is stressed throughout the program. Catapult shooting contest held at the end of the week. Come join the fun

Engineering & Fabrication: Week 3 July 19th, 2010	Monday	Tuesday	Wednesday	Thursday	Friday	Instructor
8:00 - 9:00 a.m drop off	drop off	drop off	drop off	drop off	drop off	Camp Counselor
9:00 - 10:45 (1 hour 45 min) Block A	Robotics Demo	Robotic Programming	Robotic Systems	Catapult Fabrication	Catapult Fabrication	Peter Bellas
10:45-11:05 (20 min) break	20 min Break	20 min Break	20 min Break	20 min Break	20 min Break	Camp Counselor
11:05 - 12:50 (1 hr 45 min) Block B	Robotic Systems	Robotic Systems	Robotic Systems	Catapult Fabrication	Catapult Contest	Peter Bellas
12:50 - 1:40 (50 min lunch)	50 min Lunch	50 min Lunch	50 min Lunch	50 min Lunch	50 min Lunch	Camp Counselor
1:40 - 3:25 (1 hr 45 min) Block C	Robotic Systems	Robotic Systems	Robotic Systems	Catapult Fabrication	Catapult Contest	Peter Bellas
3:30 Pick-UP	Pick Up	Pick Up	Pick Up	Pick-Up	Pick Up	Camp Counselor