










# CENTRE FOR ROBOTICS LEARNING – LEGO MINDSTORMS EV3 SUMMER CAMP OUTLINE

## Young Machinist Camp Programme Outline

Time	Monday	Tuesday	Wednesday	Thursday	Friday
0745 - 0800	Check In & Registration				
0800 - 0830 (30 mins)	Introduction to Robotics and the LEGO® EV3 system	Topic Exploration: Mechanical design of tower crane	Topic Exploration: Race car design	Topic Exploration: Why should we recycle?	Topic Exploration: Sensors and Automation
0830 - 1000 (1 hour 30 mins)	Project: My First Robot 	Project: Crane 	Project: Race Car 	Project: Recycling Truck 	Project: Tow Truck 
1000 - 1015	Break Time				
1015 - 1045 (30 mins)	Topic Exploration: How do helicopters fly?	Topic Exploration: Archery and target shooting	Topic Exploration: Excavator design	Topic Exploration: Historical forklift designs	Student Project
1045 - 1200 (1 hour 15 mins)	Project: Helicopter 	Project: Shooter Bot 	Project: Excavator 	Project: Forklift 	Student Project
1200 - 1215	Dismissal				