## 1B Integrated Design Project M1 2012-13

TEAM	
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## Team Inventory

Teams should check the items issued to them at the start of the project. Please return it to Mr Brown by the end of the second session. (No return will be taken as acceptance that all items are present). The form will be returned to the team at the beggining of the last session, it should be completed and returned with the robot + remaining kit on the day of the competition. Students will be charged for missing items!

(0% cost if reported and returned with 1 week of the end of the project, 50% not reported, but returned within a week, 100% if not returned)

at start   by Team   Check		Issued	Checked	Returned	On Robot	Staff
Wheels large - large centre Wheels large - small centre Wheels small - large centre Wheels small - large centre Wheels small - large centre 2 Wheels small - small centre 2 Castors 2 Large motor - gearbox 20 rpm Large motor - gearbox 18 rpm Small motor - gearbox 40 rpm Wheel motor connectors 2		at start	by Team			Check
Wheels large - small centre         2           Wheels small - large centre         2           Wheels small - small centre         2           Castors         2           Large motor - gearbox 20 rpm         1           Large motor - gearbox 18 rpm         1           Small motor - gearbox 40 rpm         1           Wheel motor connectors         2           .         2           .         2           .         2           .         2           .         2           .         2           .         2           .         2           .         2           .         2           .         3           .         4           .         4           .         4           .         4           .         4           .         4           .         4           .         4           .         4           .         2           .         3           .         4           .         1           .	Mechanical					
Wheels small - large centre         2           Wheels small - small centre         2           Castors         2           Large motor - gearbox 20 rpm         1           Large motor - gearbox 40 rpm         1           Small motor - gearbox 40 rpm         1           Wheel motor connectors         2	Wheels large - large centre	2				
Wheels small - small centre   2	Wheels large - small centre	2				
Castors	Wheels small - large centre	2				
Large motor - gearbox 20 rpm Large motor - gearbox 40 rpm Small motor - gearbox 40 rpm Small motor - gearbox 40 rpm Wheel motor connectors	Wheels small - small centre	2				
Large motor - gearbox 40 rpm   Small motor connectors   Swivel motor connector   Swivel connector   Swivel connector   Swivel connector   Swivel connector   Swivel connector   Swivel connector   Small motor mounting bracket   Small   Sensor mounting bracket   Small motor mount	Castors	2				
Small motor - gearbox 18 rpm   1	Large motor - gearbox 20 rpm	1				
Small motor - gearbox 40 rpm   1	Large motor - gearbox 40 rpm	1				
New	Small motor - gearbox 18 rpm	1				
Pneumatic actuator  Swivel connector pneumatic valve assembly  .  Aluminium chassis large Aluminium chassis small Sensor mounting bracket Large motor mounting bracket  Small motor mounting bracket  Microcomputer mounting bracket (complete with nylon screw)  Mechanical - In Workshop  Hammer Toolmakers Clamps G Clamp Odd legs Files  Hacksaw (Junior) Engineers Square De-burring tool 2.5mm AF Spanner 3mm AF Spanner 1 2 3criber Center Punch  1 3 3 3 4 3 5 4 3 5 5 5 5 5 5 5 5 5 5 5 5	Small motor - gearbox 40 rpm	1				
Swivel connector	Wheel motor connectors	2				
Swivel connector	•			•	•	
Name	Pneumatic actuator	2				
Aluminium chassis large Aluminium chassis small Sensor mounting bracket Large motor mounting bracket Small motor mounting bracket Microcomputer mounting bracket (complete with nylon screw) Mechanical - In Workshop Hammer Toolmakers Clamps G Clamp Odd legs Files Hacksaw (Junior) Engineers Square De-burring tool 2.5mm AF Spanner 3mm AF Spanner 4/5mm AF Spanner 5criber Center Punch	Swivel connector	2				
Aluminium chassis small         1           Sensor mounting bracket         4           Large motor mounting bracket         2           Small motor mounting bracket         2           Microcomputer mounting bracket         1           (complete with nylon screw)	pneumatic valve assembly	1				
Aluminium chassis small         1           Sensor mounting bracket         4           Large motor mounting bracket         2           Small motor mounting bracket         2           Microcomputer mounting bracket         1           (complete with nylon screw)	•		•		•	
Sensor mounting bracket         4           Large motor mounting bracket         2           Small motor mounting bracket         2           Microcomputer mounting bracket         1           (complete with nylon screw)	Aluminium chassis large	1				
Large motor mounting bracket       2         Small motor mounting bracket       2         Microcomputer mounting bracket       1         (complete with nylon screw)	Aluminium chassis small	1				
Small motor mounting bracket         2           Microcomputer mounting bracket         1           (complete with nylon screw)         1           Mechanical - In Workshop           Hammer         1           Toolmakers Clamps         2           G Clamp         1           Odd legs         1           Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	Sensor mounting bracket	4				
Microcomputer mounting bracket (complete with nylon screw)         1           Mechanical - In Workshop           Hammer         1           Toolmakers Clamps         2           G Clamp         1           Odd legs         1           Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	Large motor mounting bracket	2				
(complete with nylon screw)         Mechanical - In Workshop           Hammer         1           Toolmakers Clamps         2           G Clamp         1           Odd legs         1           Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	Small motor mounting bracket	2				
Mechanical - In Workshop           Hammer         1           Toolmakers Clamps         2           G Clamp         1           Odd legs         1           Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	Microcomputer mounting bracket	1				
Hammer         1           Toolmakers Clamps         2           G Clamp         1           Odd legs         1           Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	(complete with nylon screw)					
Toolmakers Clamps         2           G Clamp         1           Odd legs         1           Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	Mechanical - In Workshop			l	l .	
G Clamp       1         Odd legs       1         Files       3         Hacksaw (Junior)       1         Engineers Square       1         De-burring tool       1         2.5mm AF Spanner       1         3mm AF Spanner       1         4/5mm AF Spanner       1         Scriber       1         Center Punch       1	Hammer	1				
Odd legs         1           Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	Toolmakers Clamps	2				
Files         3           Hacksaw (Junior)         1           Engineers Square         1           De-burring tool         1           2.5mm AF Spanner         1           3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	G Clamp	1				
Hacksaw (Junior)       1         Engineers Square       1         De-burring tool       1         2.5mm AF Spanner       1         3mm AF Spanner       1         4/5mm AF Spanner       1         Scriber       1         Center Punch       1	Odd legs	1				
Engineers Square       1         De-burring tool       1         2.5mm AF Spanner       1         3mm AF Spanner       1         4/5mm AF Spanner       1         Scriber       1         Center Punch       1	Files	3				
De-burring tool       1         2.5mm AF Spanner       1         3mm AF Spanner       1         4/5mm AF Spanner       1         Scriber       1         Center Punch       1	Hacksaw (Junior)	1				
2.5mm AF Spanner       1         3mm AF Spanner       1         4/5mm AF Spanner       1         Scriber       1         Center Punch       1	Engineers Square	1				
3mm AF Spanner         1           4/5mm AF Spanner         1           Scriber         1           Center Punch         1	De-burring tool	1				
4/5mm AF Spanner       1         Scriber       1         Center Punch       1	2.5mm AF Spanner	1				
4/5mm AF Spanner       1         Scriber       1         Center Punch       1		1				
Scriber 1 Center Punch 1		1				
		1				
300mm Steel Rule 1	Center Punch	1				
	300mm Steel Rule	1				

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	Issued	Checked	Returned	On Robot	Staff			
	at start	by Team	rteturned		Check			
Electrical	at start	by Itam			CHCCK			
Breadboard module	1							
Linesensor pcb	1							
Prototyping pcb	1							
Stripboard	1							
D plugs	2							
D sockets	2							
Line-sensor test box	1							
Red lead with 4mm plugs	1							
Black lead with 4mm plugs	1							
Relay	1							
Push button switch	1							
FET	1							
LED	1							
PCF 8574P	1							
Line following sensors	4							
Sold wire cutters	1							
Electrical pliers	1							
Screwdriver	1							
Trimming tool	1							
Solder sucker	1							
Wire cutters	1							
White Line Test Board	1							
Digital Voltmeter	1							
Software	4	Г	Г	Г				
Sensor simulator pack	1							
I2C cable	1							
Microcomputer module	1							
Wireless Card	1							
Red motor adaptor	1							
Power supply unit	1							
DC output lead	1							
System (NB Some above desk		Г	Г	T				
Power supply unit	1							
Signal Generator	1							
Oscilloscope and probes	1							
Computer work station	2							
Issued Items		T	Г	Г				
LDR								
Distance sensor								
Distance sensor V assembled								
Hall effect sensor								
IR Photodiode								
Strain gauge								
Issued Items			T	T				
Week 1 Task Booklet	1							
Sissors	1							
Hire Items								
		Out	Date	Return	Date			
Line Following Board	1							

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