Hovercraft Assessment **Team: _____**

Build Log	
Group Members photo is included	/2
Contribution of each group member is outlined	/2
Photographs of build included (showing complete process)	/2
Photographs are captioned appropriately	/2
Significant features are explained and demonstrated	/2
Total	**/10**

Physics	
Drawings and Free Body Diagrams	/4
Dimensions labelled	/2
Circuit Diagram of electrical components included	/4
Basic Measurements + Calculations	
Mass, time, distance	/3
Final velocity	/2
Change in kinetic Energy (Energy output)	/2
Voltage	/1
Current	/1
Electrical Power	/2
Energy input	/2
Efficiency	/2
Total	**/25**

Video	
Video of working hovercraft	**/5**

Conclusion Page	
Reporting of Findings (including oral presentation)	/5
Recommendations for future improvements	/5
Total	**/10**

PRESENTATION TOTAL: _____/50

Vehicle	
Delivered working and race-able	**/25**

%difference = $\frac{\text{Average Time - Run Time}}{\text{Average Time}}$ x 100%

Race Result		
Run #	**Run Time**	% difference
Run #1		
Run #2		
Run #3		
Average Time		
Distance Travelled (if < 8 m)		

Race Evaluation	
Three completed runs +/- 10% difference	**25**
Three completed runs +/- 25% difference	**24**
Three completed runs +/- 50% difference	**22.5**
Three completed runs	**21.5**
Two completed runs +/- 25% difference	**20**
Two completed runs +/- 50% difference	**19**
Two completed runs	**17.5**
One Completed run	**16**
2 x _____ m	

FINAL PROJECT MARK: _____/100