

Well done for competing at your Regional Final 2012-13. This document gives you a full breakdown of your scores achieved, your final position based on points.

The scores were approved by the judges during the judges debrief. Unfortunately we are unable to discuss individual team's results after the close of the event.

We are constantly reviewing the scoring process and welcome your feedback. Please send any feedback to contactus@f1inschools.co.uk

We look forward to seeing you again next year.

Best Regards,

The F1 in Schools team

Judging Category	Lowest	Highest	Your Score
Specification Judging			
Specifications	40	70	60/80
Engineering			
CAD CAM and Analysis	24	55	38/60
Quality of Manufacture	30	59	42/60
Portfolio and Pit Display			
Portfolio	39	64	64/90
Pit Display & Marketing	31	52	39/60
F1 Car Design Process	22	46	37/60
Verbal Presentation			
Technique	32	52	46/60
Composition	33	51	47/60
Subject Matter	33	47	47/60
Racing	Slowest	Fastest	
Time Trials (average)	1.534	0.659	165/170
Reaction Racing	1.083	0.806	27/60
False start penalties		-10	0
Racing Penalties			
Grand Total			612.3/860
Final Position *	2nd out of 5 Teams		

*Final Position is based on points accrued; this does not take into consideration compliance with critical rules.

Specification Judging

You Scored: **60/80**

Deductions were made as per the published Technical Regulations. The table below shows which regulations were infringed.

Car	Non Critical Regulations	Critical Regulations
Race Car	T5d,	T3d,

ENGINEERING SCORE CARD

Team Number: **B04**
 Team Name: **Fuelled Racing**
 School: **Toot Hill School**

COMPUTER AIDED DESIGN AND ANALYSIS

Application of CAD-CAM	Basic application. Final design in CAD only	Appropriate use of CAD in product development stages. Good understanding of CAM evident	Advanced use of CAD and CAM technologies throughout. Final CAD identical to the physical model car produced	11
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
Computer Aided Analysis	Minimal analysis shown	Good analysis. Results applied to development	Variety of advanced and relevant analysis techniques conducted	8
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
Organisation	Generally unorganised	Satisfactory organisation of data and models	Data & parts highly ordered & linked. Full CAD product assembly	13
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
Orthographic & Rendering	Basic drawing & rendering	Good technical drawing and realistic rendering	High detail & includes spec dimensions. Photorealistic render	6
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
CAD & Analysis Total				38/60

MANUFACTURING

Quality of Finish and Assembly	Reasonable finish with some inconsistencies	Good overall finish quality and assembly with attention to detail	Showcase' finish quality on all components. Exceptional attention to detail across all assembly and finishing. Two cars are identical.	13
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
Manufacturing discussed in portfolio	Little manufacturing details	Manufacturing processes and some issues	Detailed assessment of all manufacturing, stages, materials & issues	17
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
Use of CNC Machining	Minimal evidence of CNC understanding	Effective use and understanding of CNC machining processes used	High level of CNC machining competence. Appropriately complex techniques and processes used to achieve manufacturing goal	12
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
Manufacturing Total				42/60

CAD & Analysis + Manufacturing = Engineering Judging Total = 80/120

PORTFOLIO & PIT DISPLAY SCORE CARD

Team Number: **B04**
 Team Name: **Fuelled Racing**
 School: **Toot Hill School**

20 PAGE PORTFOLIO LIMIT - mark only the first 20 pages including cover page.

PORTFOLIO ONLY ASSESSMENT ITEMS

Project Management	Little evidence of project management presented.	Simple management and planning used to guide progress. A range of project resources identified.	Comprehensive project management. A range of factors considered; e.g. scope, time, resources and project risks. Plan changes discussed	22
	1 2 3 4 5 6 7	8 9 10 11 12 13 14 15 16 17 18	19 20 21 22 23 24 25 26 27 28 29 30	
Team Work	Limited team work evident.	Evidence of effective team work with roles defined	Highly structured team with clear roles. All team members had effective and critical contributions. Role interactions recognised	22
	1 2 3 4 5 6 7	8 9 10 11 12 13 14 15 16 17 18	19 20 21 22 23 24 25 26 27 28 29 30	
Portfolio Clarity & Quality	Difficult to follow with basic presentation standard.	Clear structure, well organised. Good use of ICT's enhancing presentation and impact.	High impact and professional throughout. Consistent and clear organisation. Excellent use of ICT's to enhance presentation	20
	1 2 3 4 5 6 7	8 9 10 11 12 13 14 15 16 17 18	19 20 21 22 23 24 25 26 27 28 29 30	
Portfolio Total				64/90

MARKETING & PIT DISPLAY ASSESSMENT

Team Identity	Inconsistent, limited or obscure identity	Effective team identity consistent through various project components.	Excellent and highly effective team identity. Team 'brand' consistently applied through all project elements.	13
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
Marketing	Limited or irrelevant	Some marketing activity / sponsorship explained	Creative and effective activities linked to sponsorship & sponsor 'return on investment' (ROI)	13
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
Pit Display	Repetition of folio elements	Clear and effective presentation and messaging. ICT's used to enhance presentation	Clean, well organised with high impact. Highly professional with attention to detail. Excellent integration of technology and ICT's	13
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
Pit Display & Marketing Total				39/60

F1 CAR DESIGN PROCESS - PRESENTED IN PORTFOLIO OR DISPLAY

Ideas	Single or basic concepts	Multiple concepts with links to research.	Several technically inspired ideas for different car components	10
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
Development	Limited development shown	Logical design developments explained	Clearly justified developments based around research and testing	8
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
Testing	Little evidence of testing	Tests which are relevant and results documented	Quality test method. Accurate results data linked to design revisions	11
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
Evaluation	No or limited evaluation	Ideas or process evaluations at different stages	Excellent ongoing project evaluations linked to improvement actions	8
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
F1 Car Design Process				37/60

Portfolio + Pit Display & Marketing + F1 Car Design Process = Portfolio and Display Total = 140/210

VERBAL PRESENTATION SCORE CARD

Team Number: **B04**
 Team Name: **Fuelled Racing**
 School: **Toot Hill School**

5 MINUTE TIME LIMIT FOR VERBAL PRESENTATION AT REGIONAL FINAL, 10 MINUTES AT NATIONAL FINAL

PRESENTATION TECHNIQUE																
Visual Aids	Little use of aids.			Some aids used effectively					Highly professional aids effectively improve communication							10
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Team Contribution	Minimal team participation			Good contributions from most team members					Excellent team work with all members participating effectively							12
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Dynamic / Energy	Artificial and/or low energy			Speakers generally enthusiastic with lively delivery					Passionate with effective and appropriate levels of liveliness							12
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Engagement	Minimal engagement			Some audience connection at times					Audience fully engaged and excited throughout presentation							12
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
														Technique Total	46/60	

COMPOSITION OF THE PRESENTATION																			
Concept Clarification	Several concepts lacked clarification				Clear and appropriate concept explanations						Everything presented was understood through excellent explanations						15		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18
Use of Time	Too fast or ran out of time				Good timing. Balanced topic depth and pace						Ran on time or under. Excellent balance of depth for each topic						16		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18
Presentation Structure	No structure presented				A basic structure / outline provided and could be followed by audience						Clear presentation outline / overview. Excellent connections between topics and easy for audience to follow						16		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18
														Composition Total	47/60				

SUBJECT MATTER / PRESENTATION CONTENT / TOPICS																			
Innovation	Little innovation presented				Innovations described and justified						Originality. Clever innovations with high positive project impact						15		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18
Collaboration	Little collaboration discussed				Links with industry or higher education described						Collaborations justified with links to learning and project outcomes						16		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18
F1 in Schools Learning Experiences	No real reflections discussed				Good explanation of some learning outcomes						A range of personal, life-long learning and career skills acquired and identified as project outcomes for a range of team members						16		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18
														Subject Matter Total	47/60				

Technique + Composition + Subject Matter = Verbal Presentation Total = 140/180

Racing

Team Number: **B04**
Team Name: **Fuelled Racing**
School: **Toot Hill School**

Reaction Racing:

Race	Reaction	Track Time	Total Time	Notes
Reaction Race 1	0.188	0.750	.938	
Reaction Race 2	0.190	0.754	.944	
Reaction Race 3	0.199	0.735	.934	
Reaction Race 4	0.245	0.738	.983	

FS=False Start

Best Track Time: **.735 seconds**

Ranking: **3**

Average of 2nd and 3rd best Track Times: **0.738 seconds**

Ranking: **2**

Score: **165/170**

Base Time: **0.911 seconds**

Best Reaction Time: **0.934 seconds**

Ranking: **3**

Base Time: **0.806**

Score: **27/60**

False Start Penalty Points: **0**

Racing Penalty Points: