

## PORTFOLIO & PIT DISPLAY SCORE CARD

Team Number:

Team Name:

PORTFOLIO ONLY ASSESSMENT ITEMS				
<b>Project Management</b>	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; Eg. scope, time, resources and project risks. Plan changes discussed	
	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	
<b>Team Work</b>	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 recognized	
	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	
<b>Portfolio Clarity &amp; Quality</b>	Difficult to follow with basic presentation standard.	Clear structure, well organized. Good use of ICT's enhancing presentation and impact.	High impact and professional throughout. Consistent and clear organization. Excellent use of ICT's to enhance presentation	
	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	
			<b>Portfolio Total</b>	<b>/ 90</b>
MARKETING & PIT DISPLAY ASSESSMENT				
<b>Team Identity</b>	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.	
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
<b>Marketing</b>	Limited or irrelevant	Some marketing activity/ sponsorship explained	Creative and effective activities linked to sponsorship & sponsor 'return on investment' (ROI)	
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
<b>Pit Display</b>	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	
	1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 17 18 19 20	
			<b>Pit Display &amp; Marketing Total</b>	<b>/ 60</b>

## PORTFOLIO AND PIT DISPLAY SCORE CARD

F1 CAR DESIGN PROCESS				
<b>Design Ideas</b>	Single or basic ideas	Multiple ideas with links to research	Several technically inspired ideas for different car components	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
<b>Research &amp; Development</b>	No or limited evidence of R&D	Some scientific & mathematical theories and principles considered. Logical research based design developments explained	Relevant R&D throughout the entire product design & development cycle. Design concept developments justified from research & test findings.	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
<b>Testing</b>	No or little evidence of testing	Limited testing. Some evidence of method and outcomes.	Purposeful testing with method and outcomes documented. Evidence of virtual and physical testing on the fully assembled car and individual components.	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
<b>Evaluation</b>	Inconsistent, limited or obscure identity	Effective team identify consistent through various project component	Excellent and highly effective teams identify. Team 'brand' consistently applied through all project elements	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
				<b>/ 60</b>

**PORTFOLIO + PIT DISPLAY & MARKETING + F1 CAR DESIGN PROCESS = PORTFOLIO AND PIT DISPLAY TOTAL = /210**

## VERBAL PRESENTATION SCORE CARD

**Team Number:**

**Team Name**

PRESENTATION TECHNIQUE				
<b>Visual Aids</b>	Little use of aids.	Some aids used effectively	Highly professional aids effectively improve communication	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
<b>Team Contribution</b>	Minimal team participation	Good contributions from most team members	Excellent team work with all members participating effectively	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
<b>Dynamic/Energy</b>	Artificial and/or low energy	Speakers generally enthusiastic with lively delivery	Passionate with effective and appropriate levels of liveliness	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
<b>Engagement</b>	Minimal engagement	Some audience connection at times	Audience fully engaged and excited throughout presentation	
	<b>1 2 3</b>	<b>4 5 6 7 8</b>	<b>9 10 11 12 13 14 15</b>	
			<b>Technique Total</b>	<b>/ 60</b>
COMPOSITION OF THE PRESENTATION				
<b>Concept Clarification</b>	Several concepts lacked clarification	Clear and appropriate concept explanations	Everything presented was understood through excellent explanations	
	<b>1 2 3 4</b>	<b>5 6 7 8 9 10 11</b>	<b>12 13 14 15 16 17 18 19 20</b>	
<b>Use of Time</b>	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	
	<b>1 2 3 4</b>	<b>5 6 7 8 9 10 11</b>	<b>12 13 14 15 16 17 18 19 20</b>	
<b>Presentation Structure</b>	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	
	<b>1 2 3 4</b>	<b>5 6 7 8 9 10 11</b>	<b>12 13 14 15 16 17 18 19 20</b>	
			<b>Composition Total</b>	<b>/ 60</b>

## VERBAL PRESENTATION SCORE CARD

SUBJECT MATTER / PRESENTATION CONTENT / TOPICS				
<b>Innovation</b>	Little innovation presented	Innovations described and justified	Originality. Clever innovations with high positive project impact	
	<b>1 2 3 4</b>	<b>5 6 7 8 9 10 11</b>	<b>12 13 14 15 16 17 18 19 20</b>	
<b>Collaboration</b>	Little collaboration discussed	Links with industry or higher education described	Collaborations justified with links to learning and project outcomes	
	<b>1 2 3 4</b>	<b>5 6 7 8 9 10 11</b>	<b>12 13 14 15 16 17 18 19 20</b>	
<b>F1 in Schools Learning Experience</b>	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	
	<b>1 2 3 4</b>	<b>5 6 7 8 9 10 11</b>	<b>12 13 14 15 16 17 18 19 20</b>	
			<b>Composition Total</b>	<b>/ 60</b>

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

## ENGINEERING SCORE CARD

Team Number:

Team Name:

CAD & ANALYSIS				
<b>Application of CAD-CAM</b>	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	
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
<b>Computer Aided Analysis</b>	Minimal analysis shown	Good analysis. Results applied to development	Variety of advanced and relevant analysis techniques conducted	
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
<b>Organisation</b>	Generally unorganized	Satisfactory organization of data and models	Data & parts highly ordered & linked. Full CAD product assembly	
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
<b>Orthographic &amp; Rendering</b>	Basic drawing & rendering	Good technical drawing and realistic rendering	High detail & includes spec dimensions. Photorealistic render	
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
<b>Technique Total</b>				<b>/ 60</b>
MANUFACTURING				
<b>Quality of Finish and Assembly</b>	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.	
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
<b>Manufacturing discussed in portfolio</b>	Little manufacturing details	Manufacturing processes and some issues	Detailed assessment of all manufacturing, stages, materials & issues	
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
<b>Use of CNC Machining</b>	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	
	1 2 3	4 5 6 7 8	9 10 11 12 13 14 15	
<b>Manufacturing Total</b>				<b>/ 60</b>

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