

# Hydrogen Car Challenge 2022 Vehicle Judging Rubric

Points	0 – 1	1 – 2	2 – 3	3 – 4	4 – 5
<b>Craftsmanship</b>	Little to no apparent theme, not attractive, sloppy execution	Minimal effort towards theme, somewhat attractive, not well executed	Decent effort towards theme, mostly attractive, mostly neat presentation, shows decent amount of work and skill	Clear theme, above average attractiveness, neat presentation and execution, above average work and skill, quality build	Supremely clear theme, superior attractiveness, neatness and execution, superior work and skill, superior quality build
<b>Engineering</b>	Little to no explanation or understanding of electrical connections, chassis design or material choices	Minimal effort to explain electrical connections from fuel cell to motor, chassis design as way to increase speed or distance, material choices in consideration of weight, re-use post race or recyclability	Decent effort to explain electrical connections from fuel cell to motor, chassis design as way to increase speed or distance, material choices in consideration of weight, re-use post race or recyclability	Clear understanding and explanation of electrical connections from fuel cell to motor, chassis design as way to increase speed or distance, material choices in consideration of weight, re-use post race or recyclability	Superior understanding and explanation of electrical connections from fuel cell to motor, chassis design as way to increase speed or distance, material choices in consideration of weight, re-use post race or recyclability
<b>Up-cycled Materials</b>	No mention of material choices.	Minimal effort to explain material choices, consideration of weight, re-use post-race or recyclability	Decent effort to explain material choices in consideration of weight, re-use post-race or recyclability. Material choices were somewhat resourceful	Clear understanding and explanation of material choices in consideration of weight, re-use post-race or recyclability. Material choices showed some ingenuity	Clear understanding and explanation of material choices in consideration of weight, re-use post-race or recyclability. Material choices were very resourceful and very skillfully used.
Points	0 – 1	1 – 2	2 – 3	3 – 4	4 – 5