

2026 ChemE Cube Competition



Virtual Qualifying Presentation Rubric

Judge's Name:	
Team University:	

			Beginning	Developing	Advanced	Exemplary
Addressing the Problem: Does the team address all the requirements of the problem statement?	/20		Minimal problem statement requirements are addressed	Some problem statement requirements are addressed	Most problem statement requirements are addressed	All problem statement requirements are addressed
Business and Marketing Acumen: Does the team clearly communicate the market potential and provide a compelling unique selling proposition?	/20		Lacking communication of market potential and/or sales proposition	Begins to describe the market potential and sellability	Adequately describes the market and sales potential	Clearly and effectively communicates the market potential and detailed sales proposition
Solution Practicality: Is the team's proposed cube design robust, resilient, and feasible to build?	/20		The cube design lacks robustness, resiliency, and practicality	Cube design has potential for robustness, resiliency, and feasibility	Cube design appears robust, resilient, and feasible	Cube design expertly demonstrates robustness, resiliency, and practical feasibility
Creativity & Innovation: Is the cube design unique and innovative and the presentation execution engaging?	/20		Cube design and presentation delivery is lacking uniqueness, innovation, and engaging execution	Cube design and presentation is somewhat unique/innovative /engaging	Cube design and presentation delivery are adequately unique/innovative/engaging	Cube design and presentation execution are exceptionally unique /innovative/engaging
Safety: Does the team describe potential hazards associated with their design and adequately anticipate and mitigate safety risks and hazards in their cube design? *Safety considerations identified below	/20		No safety considerations addressed. Note: this would automatically disqualify a team	Some (1-3) safety considerations addressed.	Minimal (>5) safety considerations addressed.	Adequately address safety considerations (>5 and no major gaps)
Do you have any safety concerns of this team's design? If so, list them here.						

TOTAL	/100
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Comments:	<p>*Safety considerations should include but are not limited to:</p> <ul style="list-style-type: none"> • Potential loss of containment • Waste considerations • Chemical compatibility • Expected side reactions or hazardous materials generated • Potential risk to human health • Control mechanisms • Safety considerations with scale-up or number-up • Personal protective equipment
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Note: Teams submit recorded presentation by April 3rd, Judges provide Questions by April 10th, Teams send answers by April 17th.