

# 2023 ChemE Cube Competition

## The Poster Rubric

Ver 1, January 2023



Judge's Name:	
Team University:	

### POSTER:

			Beginning	Developing	Advanced	Exemplary
Communicates unique and innovative features of the cube.		/20	Lacking unique or innovative components in the cube	Minimal unique or innovative components included in the cube	Unique or innovative components included in the cube and communicated adequately.	Effectively communicates all unique and innovative features of the cube
Effectively communicate technical content including cube design description, explanation of chemistries (reactions, separations, etc.), drawings and testing results.		/20	Communicates minimal technical elements	Communicates some technical elements of the cube design	Communicates many technical elements of the cube design but are missing some elements.	Effectively communicates all technical elements including drawings and testing results.
Highlights PI and MCPI elements		/20	Lacks firm understanding of PI or MCPI elements	Communicates some PI and MCPI elements	Communicates multiple PI and MCPI elements	Clearly communicates PI and MCPI concepts and clearly describes elements in cube; demonstrated advanced understanding
Accurately calculates, and includes, a breakdown of the total capital equipment costs (including manufacturing costs).		/10	Little to no cost information included	Some cost information included	Total capital equipment costs calculated; not entirely complete and/or accurate	Accurately and completely calculates the total capital equipment costs
Describes safety features/inherently safer design concepts applied to Cube		/20	Minimal description of safety features and ISD concepts	Communicates some safety features/ISD concepts	Communicates multiple safety features/ISD concepts	Clearly communicates all safety features/inherently safer design concepts applied to Cube; demonstrates advanced understanding
Reference material and data acknowledged appropriately		/10	Minimal reference material	Some reference material data acknowledged; not all appropriately	Most reference material and data acknowledged appropriately	All references and data properly acknowledged

<b>TOTAL</b>	<b>/100</b>
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Comments: