

# Design Award Rubric

For Design Award details, see the Awards Appendix at [www.roboticseducation.org/vex-iq-challenge/viq-current-game/](http://www.roboticseducation.org/vex-iq-challenge/viq-current-game/)

Team Name: \_\_\_\_\_ Team Number: \_\_\_\_\_ Grade:  Elementary  Middle

Circle the box in each row that best describes the team’s accomplishments of the identified criteria.

Criteria	Novice (1)	Emerging (2)	Proficient (3)	Expert (4)
Engineering Notebook is clear, organized, & complete, including: <ul style="list-style-type: none"> <li>• Team Profile</li> <li>• Projects and team assignments</li> <li>• Entries from team meetings with goals, decisions, and accomplishments</li> <li>• Record name or initials &amp; dates</li> </ul>	Engineering Notebook includes minimal clarity, organization, and/or listed content	Engineering Notebook is somewhat clear and organized and includes some of the listed content	Engineering Notebook is clear and organized and includes most of the listed content	Engineering Notebook is very clear, well organized, and complete, including all of the listed content
Engineering Notebook documents the Design Process steps: <ul style="list-style-type: none"> <li>• Identify the challenge(s)</li> <li>• Brainstorm solutions</li> <li>• Select best approach and plan</li> <li>• Build, program, and test</li> <li>• Repeat process steps, if needed</li> </ul>	Engineering Notebook documents minimal Design Process steps	Engineering Notebook documents some Design Process steps	Engineering Notebook documents most Design Process steps	Engineering Notebook thoroughly documents all Design Process steps
Team understands and explains how they developed an effective game strategy and robot design	Team explains strategy and design with minimal understanding	Team explains strategy and design with some understanding	Team explains strategy and design with good understanding	Team explains strategy & design with enhanced depth of understanding
Team demonstrates effective management of skills, time, and material resources, e.g., develops goals and timelines, plans schedule and tasks, assigns team roles	Team demonstrates minimal management of resources	Team demonstrates some management of resources	Team demonstrates good management of resources	Team demonstrates effective management of all resources
Team understands and explains how they worked together to design, build, and program their robot.	Team explains their cooperative robot design process, with minimal understanding	Team explains their cooperative robot design process, with some understanding	Team explains their cooperative robot design process, with good understanding	Team explains their cooperative robot design process, with enhanced depth of understanding

Describe the best features of this team’s Engineering Notebook and discussion with the judges:

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