

2023 Northeast Indiana Regional Science and Engineering Fair – Rubric

FOR JUDGE USE ONLY – ONE PER STUDENT

Number: Name of Student:

Grade: Project Title:

	0	1	2	3
QUESTION	Student did not choose a question	Student chose one or more question(s) but testability may be unclear	Student chose one appropriate testable question	
HYPOTHESIS <i>science</i> (<u>or</u> GOAL <i>engineering</i>)	No hypothesis or prediction (<i>or goal</i>) on board and <u>unable</u> to state when asked	No hypothesis on board but <u>able</u> to state when prompted	Displayed hypothesis (<i>goal</i>) on board and included a prediction (<i>criteria/constraints</i>)	Expressed as a testable “if/then” statement with a prediction
MATERIALS	Student did not have a materials list	Listed <i>most</i> of materials, few were missing	Clearly listed <u>all</u> materials used	
PROCEDURE	Unable to state or display an experimental procedure	Displayed or stated a partial procedure that missed minor details	Stated the <i>whole</i> procedure (with numbers / list of procedure)	
RESULTS	Failed to use visuals (graphs, charts, tables, etc.) to show results	Used visuals (graphs, charts, tables, etc.) to show results	Used appropriate visuals and narrative to report results	Met previous AND included detailed scientific notebook or log
CONCLUSION	Student did not display/ state conclusion	Displayed/ stated conclusion but it did not relate to the question	Displayed/ stated the conclusion to reflect what <i>they</i> learned from answering the question	
INTERVIEW	Does not understand project OR may have relied <i>entirely</i> on adult input for interpretation of results.	<i>Uncertain</i> about the information on their topic, likely relied <i>heavily</i> on adult input for interpretations	Understood <i>most</i> project concepts, relied on an adult <i>somewhat</i> , BUT can answer most questions about details not on the display	Understood <i>all</i> concepts in project, polished delivery with ability to answer question about details not on the display board
DISPLAY BOARD	Attempted to organize information on board but missing a few headings	Organizes information but may be difficult to follow or missing minor information	Well organized and easily understood with appropriate graphs, charts, and photos	Colorful, creative, appealing to the eye, and organized with all the headings
CREATIVITY	Student’s project was not exceptional or innovative	Somewhat creative in research question, design, or interpretation	A creative OR original twist on a classic science fair project	Creative AND original research question, design, or result

TOTAL SCORE: _____ / 23

Circle **ONE** area that you believe the student was the strongest! Each student receives one “Outstanding” Certificate

Creativity	Interview	Research	Perseverance	Enthusiasm	Project Board
Creative and original research topic, question, design	Confident; Knowledgeable, Able to answer	In depth and dedicated research and analysis	Long data collection OR had to redo OR otherwise resilient	About research and results they obtained	Organized, neat, colorful, eye-catching, easy to read