

3rd Grade Experimental Design Rubric

School Names								Practices
								Investigation Question (1 pt) One statement is circled
								Procedure (2 pts) Team outlines a logical sequence of at least 3 steps
								Materials (1 pt) Team lists the materials that are required
								Variables (3 pts) - Team identifies one variable that can be tested - Team identifies at least one thing that must stay the same - Team identifies one variable that they will measure
								Prediction/Hypothesis (1 pts) Students write what they think will happen
								STOP Check (1 pt) Filled out BEFORE recording data.
								Data (4 pts) Correct data collected shown as: - Pictures (2 point) - Words (2 point)
								Results (2 pts) Students identify relevant evidence. (2 pts)
								Conclusion (2 pts) Team identifies if their circled statement is correct or not based on the evidence
								Team Work (3 pts) Each member contributes to the design process (1 point per member)
								BONUS POINTS 2 pts no help, 1 pt minimal help, 0 considerable help 2 pts for all members working quietly the entire time
								TOTAL (20 pts + bonus)

4th Grade Experimental Design Rubric

School Names								
								Practices
								Investigation Question (1 pt) Freebie point
								Procedure (2 pts) Team outlines a logical sequence of at least 3 steps
								Materials (1 pt) Team lists the materials that are required
								Variables (3 pts) - Team identifies one variable that can be tested - The identifies one variable that will be measured - Team identifies at least one thing that must stay the same
								Prediction/Hypothesis (1 pts) Students write what they think will happen
								STOP Check (1 pt) Checked BEFORE recording data
								Data (up to 4 pts) Correct data collected shown as: - Model (pictures) (2 points) and/or - Table used or data written (2 point) and/or - Graph created to explain data (2 points)
								Results (2 pts) Students identify relevant evidence. (2 pts)
								Conclusion (2 pts) Students correctly answer the original question. (2 pts)
								Team Work (3 pts) Each member contributes to the design process (1 point per member)
								BONUS POINTS 2 pts no help, 1 pt minimal help, 0 considerable help 2 pts for all members working quietly the entire time
								TOTAL (20 pts + bonus)

5th Grade Experimental Design Rubric

School Names								
								Practices
								Investigation Question (1 pt) The blanks are filled in
								Procedure (2 pts) Team outlines a logical sequence of at least 3 steps
								Materials (1 pt) Team lists the materials that are required
								Variables (3 pts) - Team identifies one variable that can be tested - The identifies one variable that will be measured - Team identifies at least one thing that must stay the same
								Prediction/Hypothesis (1 pts) Students write what they think will happen and why
								STOP Check (1 pt) Filled out BEFORE recording data
								Data (up to 4 pts) Correct data collected shown as: - Table created with multiple trials completed (2 point) - Graph created to explain data (2 points)
								Results (2 pts) Students write a summary of what happened. (2 pts)
								Conclusion (2 pts) Students correctly answer the original question with evidence.
								Team Work (3 pts) Each member contributes to the design process (1 point per member)
								BONUS POINTS 2 pts no help, 1 pt minimal help, 0 considerable help 2 pts for all members working quietly the entire time
								TOTAL (20 pts + bonus)

6th Grade Experimental Design Rubric

School Names								
								Practices
								Investigation Question (1 pt) A testable question is written
								Procedure (2 pts) Team outlines a logical sequence of at least 3 steps
								Materials (1 pt) Team lists only the materials that are required
								Variables (3 pts) - Team identifies the independent variable - The identifies the dependent variable - Team identifies constant variable
								Prediction/Hypothesis (1 pts) Students write what they think will happen and why
								STOP Check (1 pt) Filled out BEFORE recording data
								Data (up to 4 pts) Correct data collected shown as: - Table created with multiple trials completed (2 point) - Graphed average created to explain data (2 points)
								Results (2 pts) Students write a summary of what happened. (2 pts)
								Conclusion (2 pts) Students correctly answer the original question with evidence.
								Team Work (3 pts) Each member contributes to the design process (1 point per member)
								BONUS POINTS 2 pts no help, 1 pt minimal help, 0 considerable help 2 pts for all members working quietly the entire time
								TOTAL (20 pts + bonus)