Holy Cross School *and*
Bison Regional Science Fair Grades 4-6 Judging Form

Project Title: _____

Project Number: _____

Judges Initials: _

Medals Awarded: _____

Criteria	Level	Score
Scientific Skill - 30 points Science process is evident. The topic is thoroughly explored from hypothesis to a logical conclusion. Good presentation and analysis of data (qualitative and/or quantitative).	Superior: 27-30 Very Good: 22-26 Average: 16-21 Below Average: 10-15	
Layout and Design - 25 points Layout is logical and self-explanatory. Good use of graphs and tables. Information is complete and easy to read. Backboard is well constructed.	Superior: 22-25 Very Good: 18-21 Average: 14-17 Below Average: 10-13	
Originality- 10 points Project is original to the student. Originality in approach and resourceful use of materials is shown. Work was done by the student.	Superior: 8-10 Very Good: 6-8 Average: 4-6 Below Average: 3	
Interview - 25 points The student(s) are comfortable and confident answering questions about their project. They give evidence of learning from the project.	Superior: 22-25 Very Good: 18-21 Average: 14-17 Below Average: 10-13	
Artistic Value – 10 points Participants should create a display that will visually attract readers.	Superior: 8-10 Very Good: 6-8 Average: 4-6 Below Average: 3	
TOTAL SCORE	**Maximum 100 Points**	

Grade 7-12 Bison Regional Science Fair Judging Form-2024

Project Title: _____ **Project number:** _____

<table>
<tr><th>Section Being Evaluated</th><th>Mark</th></tr>
<tr><td>Section One: Communication - Display - Do the backboard and other materials on display effectively communicate the story of the project? Consider
the effectiveness of the backboard design
the organizational, communication and technical skills shown
the quality of the images and text on the backboard and in the log book and summary
the nature of supporting materials, models, background research</td><td>Out of 20</td></tr>
<tr><td>Section Two: Communication – Interview - Does the student explain the project in a confident manner, demonstrating an understanding of the concepts involved? Consider:
The student’s fluency, enthusiasm, and confidence
The ability to answer questions clearly and confidently
The ability of both partners to contribute to the interview
The evidence of accurate understanding of the concepts presented</td><td>Out of 20</td></tr>
<tr><td>Section Three: The Design and Implementation of the Investigation - Is this investigation well-designed, scientifically sound, and carried out in a careful manner?
Consider
the correctness of research methodology and the use of appropriate and varied references
the extent to which the investigation controlled significant variables.
the collection and organization of data and the use of appropriate mathematics
the technical skills involved, and the thoroughness and effort shown.</td><td>Out of 20</td></tr>
<tr><td>Section Four: Analysis of the Results of the Investigation -
Were the results of this investigation analyzed in a logical and scientific way and were the conclusions drawn reasonable given the data presented? Consider:
the quality of the data presentation and analysis,
the extent to which the conclusions are supported by the data and stated clearly,
the attempt to outline the significance of the work and its context.
the reasonableness of suggestions for future work.</td><td>Out of 20</td></tr>
<tr><td>Section Five: Scientific Thought, Creativity, and Originality
Choose either Discovery/Study OR Innovation/Experiment
Scientific Thought – Discovery /Study
<table>
<tr><th>Level 4</th><th>Level 3</th><th>Level 2</th><th>Level 1</th></tr>
<tr><td>Original experimental research with controlled variables or synthesis of data from a variety of sources; draws new conclusions. a novel and creative approach.
Marks: 20, 19, 18</td><td>Original experiment and good research; Most significant variables controlled; Good analysis of results; Attempts to synthesize data; Very Good understanding.
Marks: 17, 16, 15</td><td>Makes modest improvements in known experiments; gathers data to confirm existing conclusions. Understands major concepts.
Marks: 14, 13, 12</td><td>Replicates known experiment to confirm previous findings or collate data from a variety of existing sources without further analysis. Some understanding
Marks: 11, 10, 9</td></tr>
</table>
Scientific Thought – Innovation/Experiment
<table>
<tr><th>Level 4</th><th>Level 3</th><th>Level 2</th><th>Level 1</th></tr>
<tr><td>Design and construct innovative application. Highly original and creative; successful prototype or innovation
Marks: 20, 19, 18</td><td>Design and build innovative technology; or provide adaptations to existing Tech-imaginative; good prototype or innovation.
Marks: 17, 16, 15</td><td>Improve or demonstrate new applications for existing technological systems. Simple design; fair attempt at prototype
Marks: 14, 13, 12</td><td>Model or device that duplicates existing technology or demonstrates well known theory, little use of student imagination.
Marks: 11, 10, 9</td></tr>
</table></td><td>Out of 20</td></tr>
</table>

Medal Awarded_____ Total: _____ Judges’ Initial _____