INTERMOUNTAIN JUNIOR SCIENCE & HUMANITIES SYMPOSIUM **Student #_____**

SCIENTIFIC RESEARCH, ENGINEERING, AND MATHEMATICS INVESTIGATIONS

Name of Student: _____ Judge's Number:_____

5 = Superior **4 = Excellent** **3 = Good** **2 = Satisfactory** **1 = Fair**

Judging Criteria	Max. Score	Actual Score
This criterion is from the National Junior Science and Humanities Symposium Program and should be used as a guideline		
Statement and identification of research problem • Is the problem clearly stated? • Does the presenter demonstrate understanding of existing knowledge about the research problem?		**1 2 3 4 5**
Acknowledgement of sources and major assistance received		**1 2 3 4 5**
Creativity and originality • Process skills demonstrated by the student in the solution to the research problem and/or research design • Student demonstrates his/her individual contributions and understand of the problem • Level of effort		**1 2 3 4 5**
Research design, procedures (material & methods), results **1. Science** • Appropriateness of research design and procedures • Identification and control of variables • Reproducibility **2. Engineering, computer science, technology** • Workable solution that is acceptable to a potential user • Recognition of economic feasibility of solution • Recognition of relationship between design and end product • Tested for performance under conditions of use • Results offer a significant improvement over previous alternatives		**1 2 3 4 5**
Discussions/Conclusions • Clarity in stating conclusion; conclusions are supported by: 1) data (science, or 2) testing of design (engineering) • Logical conclusion that is relevant to the research problem and the results of experimentation or testing • Recognizes limitations and significance of results • Evidence of students understanding of the scientific or technological principles • Theoretical or practical implications recognized • What was learned? New questions raised? Future research?		**1 2 3 4 5**
Oral Presentation and written report (only used in competition in March) • Skill in communicating research results to non-specialized audience and to judges • Definition of terms as necessary • Appropriate use of audio-visuals • Response to questions from audience and judges		**1 2 3 4 5**
TOTAL		**30**

JUDGES REMINDER

Please recommend the appropriate level of participation from the following three categories:

ORAL **POSTER** **NON COMPETITIVE POSTER**

If two or more papers are in the same category, please rank them 1, 2, 3 etc. and please put comments to students on their papers!