SSRSEF Judges Feedback For 5-12
Based on Next Generation Science Standards and International Fair Criteria

This form is for feedback only and does not guarantee an award.

1 Asking Questions, Defining Problems • Identified a problem • Asked clear and focused questions to clarify, extend, seek relationships, refine, challenge, develop a process or system or model • Where appropriate developed a hypothesis • Asked testable and relevant questions	
2 Planning and Carrying out Investigations • If appropriate, built a model • Develop well-designed plan and data collection methods to produce evidence: collect, record, analyze and evaluate • Define and manipulate variables and controls to identify problems or improvements	
3 Analyze and Interpret Data • Analyzed data using tools, technology, models, mathematics (including statistics and probability) to determine solutions • Understood interpretation and limitations of results and conclusions • If appropriate, model redesigned and information gathering steps above repeated	
4 Explanations and Solutions • Made a claim, constructed an explanation, refined a solution based on evidence • Applied scientific ideas, principles and theories to conclusion	
5 Engaging in Argument from Evidence • Compared and evaluated competing ideas, based on scientific knowledge, societal factors (economics, ethics, history), and your own evidence • Used data based oral and written argument	
6 Evaluating and Communicating Information • Read, evaluated, and synthesized a variety of technical information and explained its relevance and validity to your work • Presented your information in multiple formats (oral, text, graphics, models, mathematics) • Identified degree of independence in conducting project • Addressed potential impact in science, society, and/or economics, quality of ideas for further research • For team projects, contributions to and understanding of project by all members	