## Working Model Rubrics

Adap	ted	from	Science	Fair I	Proiects	rubrics	created b	v the	Science	Department	at ACS	S and	FISSIO	V2016	team
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FISSION Juror	: project number $\rightarrow$				
Creativity and Originality	<ul> <li>Provides a solution: theoretical or practical to a problem, based on student's application of their knowledge and creating <b>their own product</b>.</li> <li>The key concept in the project is the author's own innovation, own thought, own invention.</li> <li>Shows resourcefulness, design creativity and unique use of equipment and construction of project.</li> </ul>				
Application and understanding of the Model Chosen	<ul> <li>Students understand the extensions and applications that the model allows</li> <li>Students can explain how their model resembles the real product in all its complexities.</li> </ul>				
Doing Work	• The project has the potential to be a practical solution. Preferably it is either a machine or a program that fulfills a certain task, i.e. does some practical work. OR it is a novel approach to a problem				
Model Construction and Visual Appeal	<ol> <li>I) If it is a machine:         <ul> <li>it incorporates moveable parts that directly aid in demonstration of concept/process.</li> <li>Shows careful and neat construction; materials are appropriate and sturdy.</li> <li>Choice of materials and construction technique show significant forethought.</li> </ul> </li> <li>If it is an original theoretical solution:         <ul> <li>the logical steps are well-explained and rigorously</li> </ul> </li> </ol>				

	proven to be necessary and correct 3) If it is an original program: <ul> <li>it is user-friendly and not prone to technical problems</li> </ul>
Poster	<ul> <li>All expected components are present and clear, including background research, materials and procedure (where applicable), main results of the invention</li> <li>Text is concise and free of grammar and spelling errors.</li> <li>References are clearly displayed in proper MLA format.</li> <li>Display meets size requirements</li> <li>If appropriate, technical drawings are included and are neatly drawn.</li> </ul>
Presentation	<ul> <li>Student is able to present the way they came about making the innovation. (Student has reached his/her conclusion thanks to a firm knowledge base in the subject area.</li> <li>Solution was based on hypothesizing and experimenting.)</li> <li>Presentation is well organized, delivered in 5-10 minutes, and includes all necessary information.</li> <li>Students don't stumble and use appropriate speed and volume.</li> <li>Students maintain good eye contact and good posture.</li> </ul>

Projects ranking: