



2011 JUDGING CRITERIA
KansasBio – LOCAL- Kansas BioGENEius Challenge

- 1. *Scientific Merit and Creative Ability* **35%****
In this section, judges will evaluate the project's overall relevance to the field of biotechnology as well as the originality and creativity demonstrated by the student in proposing and carrying out the project. Does the project show creative problem solving, analysis and interpretation of the data? Judges should also assess the level of science represented by the project, e.g. grade level, university level, etc.

 - Relevance to biotechnology 15%
 - Identify important problems and address solutions 10%
 - Originality and creativity 5%
 - Ingenuity 5%

- 2. *Project Execution* **35%****
Judges should evaluate the project's design as an experiment or a demonstration of an application of biotechnology research. Also assess the scientific research skills shown by the student in carrying out the project. Evaluate the student's results in terms of data collection and analysis and the general validity of the conclusion reached.

 - Project design 10%
 - Skill levels demonstrated 10%
 - Validity of conclusion 10%
 - Results: data collection and analysis 5%

- 3. *Poster & Oral presentation* **30%****
The student's visual and oral presentation of their poster design, objectives and conclusion is an important part of the judging process. Assess the poster in terms of its clarity and layout in illustrating the science and techniques involved in the project. Assess the oral presentation in terms of the level of scientific knowledge demonstrated, the student's command of the scientific techniques involved and their ability to explain and defend their conclusions under questioning by the judges.

 - Ability to explain and defend purpose, procedure and conclusion 10%
 - Demonstration of scientific knowledge 10%
 - Command of techniques and skills 5%
 - Poster clarity and layout 5%