

AIR TOXICS UNDER THE BIG SKY ANNUAL SYMPOSIUM AT UM

JUDGES' SCORING RUBRIC: POSTERS



POINTS	THE RESEARCH PROJECT	POSTER CONTENT	USE OF GRAPHICS
4 outstanding	The project clearly indicates researcher(s)' time investment and adherence to the scientific process: question, hypothesis, procedure, results, conclusion.	Poster contains outstanding background information regarding air quality and its effects on human health. Text is very understandable and easy to read from a distance. There are no spelling or grammatical errors.	Poster contains outstanding data/tables/charts/graphs that are titled, easy to read, and well labeled.
3 above average	Project indicates researcher(s)' time investment and understanding of the scientific process but contains a few minor inaccuracies.	Poster contains above average background information regarding air quality and its effects on human health. Text is understandable and easy to read from a distance. There are a few spelling or grammatical errors.	Poster contains above average data/tables/charts/graphs that are titled, easy to read, and well labeled.
2 average	Does not appear that researcher(s) spent an abundance of time on project or that there is a clear understanding of scientific process. Project contains several inaccuracies.	Poster contains average background information regarding air quality and its effects on human health. Text is mostly understandable and fairly easy to read from a distance. There are several spelling or grammatical errors.	Poster contains average data/tables/charts/graphs that are titled, fairly readable, and mostly labeled.
1 below average	Project clearly indicates minimal amount of time commitment. Researcher(s)' lacks understanding of scientific process. Project contains numerous inaccuracies.	Poster contains hardly any background information regarding air quality and its effects on human health. Text is not easy to understand or to read from a distance. There are numerous spelling and grammatical errors.	Poster contains below average data/tables/charts/graphs that are mostly untitled and unlabeled.

REQUIRED CONTENT for Research Poster 1) question/purpose, 2) hypothesis, 3) procedure, 4) results, 5) conclusion
REQUIRED INFORMATION for Poster: 1) project title, 2) students' names, 3) name of high school, 4) teacher

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JUDGES' SCORING RUBRIC: PRESENTATIONS



POINTS	THE RESEARCH PROJECT	POWER POINT PRESENTATION	DELIVERY TO THE AUDIENCE
4 outstanding	All of the required content is included and is accurate. The project clearly indicates researcher(s)' time investment and adherence to the scientific process.	All of the required information is included. Presentation contains outstanding data/tables/charts. Text is easy to read and understand. There are no spelling or grammatical errors. Presentation is thorough.	Evidence of much advanced rehearsal. Material is presented in an interesting way. Presenter(s) employs excellent eye contact, strong speaking skills, and thoroughly answers audience questions.
3 above average	All of the required content is included, but contains a few minor inaccuracies. Project indicates researcher(s)' time investment and understanding of the scientific process.	Most of the required information is included. Presentation contains above average data/tables/charts. Text is easy to read and understand. There are few spelling or grammatical errors. Presentation is fairly thorough.	Evidence of advanced rehearsal. Good presentation of material. Presenter(s) employs good eye contact and speaking skills. Answers audience questions well.
2 average	Most/all of the required content is included, but contains several inaccuracies. Does not appear that researcher(s) spent an abundance of time on project or has a clear understanding of scientific process.	Some of the required information is included. Presentation contains average data/tables/charts. Most text is easy to read and understand. There are several spelling or grammatical errors. Presentation is somewhat thorough.	Evidence of some advanced rehearsal. Average presentation of material. Presenter(s) employs fair eye contact and speaking skills. Answers audience questions adequately.
1 below average	Some of the required content is missing. Project contains numerous inaccuracies. Project clearly indicates minimal amount of time commitment. Researcher(s)' lacks understanding of scientific process.	The presentation is missing most of the required information. Presentation contains below average data/tables/charts. Text is not easy to read and understand. There are numerous spelling and grammatical errors. Presentation is not thorough.	Evidence of minimal advanced rehearsal. Below average presentation. Presenter(s) employs little eye contact and is difficult to understand. Does not provide audience with complete answers.

REQUIRED CONTENT for Research Project: 1) question/purpose, 2) hypothesis, 3) procedure, 4) results, 5) conclusion

REQUIRED INFORMATION for Power Point Presentation: 1st slide contains the 1) project title, 2) students' names, 3) name of high school, 4) teacher