Paper Presentation Checklist

The research paper should describe original research results.

Applicants wishing to present a paper at KNO-JSHS should use this checklist:

1. ABSTRACT
   _____ Include your 200-word abstract when completing the online application (online application will prompt you to do so)

2. RESEARCH PAPER
   _____ One copy of the typed final research paper (minimum of 5-6 and a maximum of twenty pages in length) will be uploaded (in PDF format) with your online application by February 14, 2017, and will be used during the judging process. Research papers should be in Times New Roman 12 point font and cannot exceed 1.8 MB.
   Suggested outline includes:
   - Cover page with title, student name, school name, and school address
   - Abstract
   - Acknowledgement of assistance
   - Table of contents/list of tables and/or list of figures
   - Introduction, should include purpose, hypotheses, and review of literature
   - Materials
   - Methods
   - Results and findings
   - References
   - Appendices (only if absolutely necessary)
   - Please refer to the National JSHS guidelines for Preparations and Presentation of Student Research

3. ORAL PRESENTATION
   Length of presentation may not exceed 12 minutes, followed by a maximum of 6 additional minute question period. This time limit will be strictly monitored. A Windows computer with USB drive and digital projector are available in each presentation room. Each oral presentation must be accompanied by a PowerPoint presentation. No written handouts for models are permitted.
4. JUDGING

The JSHS judging team includes individuals who hold either a Ph.D. or equivalent experience in the general fields of research that are represented by the student presenters. Judges are selected also for their interest in encouraging the students’ interests and future developments in the sciences, engineering, or mathematics. The judges review the student papers and presentations as follows:

- All of the written reports (e.g., abstract and paper) are read. The paper is used as supporting documentation during the judging process.
- The oral presentations are evaluated by each member of the assigned session judging team.
- The questioning period that follows the oral presentations aids judges in clarifying the students’ depth of understanding, the amount of work and level of effort, and the individual contributions to the research problem.
- Following the sessions, the individual session judging teams meet and deliberate to select finalists from each session.

Judging Criteria

- **Quality of the research and experimentation** as evidenced by clarity in stating the problem; identification of the important variables; originality and ingenuity in the research design or apparatus; selection of proper equipment for the research task; recognition of the limitations in the accuracy and significance of the results obtained; and limitations of conclusions drawn to those that are clearly supported by the results.
- **Evidence of the student’s understanding** of the scientific and technical principles involved in the investigation.
- **Originality in the choice and investigation of the topic.**
- **Acknowledgement of major assistance.** The student speaker must acknowledge any direct assistance received. As a researcher, the student is neither rewarded nor penalized by the judges for utilizing special advisors or equipment. Examples of areas of assistance that should be acknowledged include selecting the topic of research; gathering data; and constructing apparatus.
- **The quality of oral and written presentations** as evidenced by the organization of the paper; use of audiovisuals; clarity of enunciation; use of acceptable terms and grammar; voice projection; definition of terms when necessary; and capacity to handle questions. The presentation is important in the evaluation of the student, but content, not form will be given the major weight.

ALL JUDGES’ DECISIONS ARE FINAL