

Scientific Presentation Checklist

Presentation Introduction (4)

- _____ Title: informative, specific and concise
- _____ Authors: first and last names (1st author/investigator, last author/principle investigator)
- _____ purpose of presentation
- _____ main Ideas of the presentation—4 or 5 Main points you want the audience to remember.

Research Introduction (4)

- _____ summary of pertinent literature on topic (general knowledge to specific)(footnote references)
- _____ research problem identified clearly
- _____ rationale for study (reason why you wanted to do this research)
- _____ hypothesis (educated guess) gives answer to problem

Research Materials and Methods (4)

- _____ informative and specific (what your doing, where your doing it, when doing it, how your doing it)
- _____ materials used
- _____ methods of collection of data
- _____ diagrams or explanations of set up, flow charts

Results (6)

- _____ qualitative (descriptive) and quantitative (numbers) data (1pts)
- _____ data tables (Tables) (3pts)
- _____ tables labeled as “tables” and graphs labeled as “figures”
- _____ summary of findings using text (explain what happened in graphs & tables, save why for discussion)

2 Graphs (8)

- _____ labeling of axis (units)
- _____ points plotted accurately
- _____ appropriate title (The Effect of *X-axis* upon the *Y-axis*)
- _____ legend/keys/explanation of tables or figures

Discussion (8)

- _____ support or reject original hypothesis and why? (1)
- _____ interpret results using evidence(stating actual data by citing figures, tables & references)(2)
- _____ explain major findings, patterns or trends in the graphs or tables (2)
- _____ suggest explanations of conflicting, problematic or unexpected results (reason for error)(1)
- _____ further investigations you could or might want to do (1)
- _____ what you learned and how this relates to 3 of the Nebraska State Science Standards (1)

_____ References and Acknowledgements (1)

Overall presentation (5)

- _____ Knowledgeable on topic, Repeating what you want the audience to take home
- _____ 5C's—confident, credible, competent, convincing, comfortable (Practiced, not memorized or reading from screen)
- _____ Dress appropriately, Good voice and body gestures, Eye contact with audience
- _____ Professionalism of slides: no crazy color schemes or contrasting backgrounds, slides common format and font, Visual Aids Simple
- _____ Each person in the group presents—transition between people is very smooth

Must include 2 Uses of Technology (5)

- _____ 5 Palm applications (probes, spreadsheets, graphing, maps, calculator, beaming parts of paper to each other, editing, storing research information from resources)
- _____ Presentation (Claris slideshow, powerpoint, hyperstudio, webpage)

_____ Total out of 45 points
