RESEARCH PAPER

1. **Rationale for study**
   (Background information evident, depth of understanding to previous work, builds on previous research)

2. **Identifying the Problem**
   (The problem and/or question is clearly stated)

3. **Hypothesis Formation**
   (Initial Hypothesis clearly defined and consistent with problem)

4. **Variables**
   (Manipulated, control, and responding variables are identified)

5. **Experimental Design and Procedure**
   (Procedure followed applies to the problem and uses controls; techniques clearly described; appropriateness of research design and procedures)

6. **Collection of Data**
   (Evidence of proper data collection is demonstrated)

7. **Results**
   (Limitations in accuracy, significance of results acknowledged, reproducibility)

8. **Analysis of Data**
   (Graphs, percentages, statistics, or other appropriate illustrations used with accuracy)

9. **Conclusions**
   (Conclusions are logical, related to original purpose, and supported by data)

10. **Scientific Value of Project**
    (Information presented is relevant, significant and reproducible)

11. **Creativity and Originality**
    (Project shows a creative approach to the problem and research design)

COMMUNICATION SKILLS DEMONSTRATED DURING ORAL PRESENTATION

12. **Oral Presentation**
    (Presentation is well organized, clear, and concise; clarity of enunciation and voice projection evident, pace, smoothness, timing appropriate; appearance appropriate for a professional presentation)

13. **Ability to Answer Question**
    (Responses are clear and accurate, with definition of terms as necessary)

14. **Visuals**
    (PowerPoint visuals - pictures, graphs, tables, etc- are clear, neat, organized and appropriately used)

15. **Future Research**
    (What was learned? New questions raised?)

16. **Implications**
    (Theoretical or practical implications was recognized or understood by student)

17. **Resources**
    (Acknowledgement of sources and major assistance received)

18. **Research Study** (student demonstrates his/her individual contributions to and understanding of the research problem)

PERSONAL GROWTH DEMONSTRATED IN ORAL PRESENTATION

18. **Knowledge Gained**
    (Evidence of student’s understanding of the scientific principles employed in investigation)

19. **Effort and Attitude**
    (Adequate time, effort and attitudes are demonstrated)

Total Score: _________