

## Exploring Light Learning Conference

Welcome to the annual Light Learning Conference. You are now experts in your field of study and have been invited to present and defend your research in a collaborative learning environment to other science students. Now that you have discovered the relationship between light and your phenomena, it is time to present what you have learned to your colleagues and defend your findings.

This conference, entailing a series of presentations over the next month, will highlight our current understanding of the theory involved in various aspects of light phenomena culminating in experiments and a question/answer session to support your work. Experts such as yourself have been invited to present their research to help broaden the scope of our understanding in this field to expedite your future research. Thank you in advance for agreeing to support this symposium and for advancing and enriching the field of chemistry.

To ensure consistency among presentations and optimize the sharing of information, please adhere to the following guidelines for your presentation:

1. Each presentation will be conducted by two-three experts for your chosen topic.
2. Each presentation needs to be approximately 20-30 minutes in length.
3. All work must be divided equally among the individuals in your group. Failure to do so will reflect poorly on all participants of your group.
4. Your goal is to explain your experimental results and the theory relating to it using your own words to ensure the understanding of all the scientists in attendance at the conference. This must go much further than simply conveying information, but rather, you must ensure learning takes place. The key word is **TEACH!**
5. When you have completed your presentation, you must guide the other scientists in attendance in a mini-experiment to help them more fully understand your experimental design and to collect some data. You will need to set this up in advance and move around the lab providing help if needed. Please see the attached rubric.
6. Two days prior to your presentation, you will need to submit a one-half to one page note supporting your presentation to the conference coordinator. This will be evaluated by the coordinator to ensure it is of the highest quality to aid the learning of the participants at the conference (it will be distributed to all participants when it is approved). Please see the attached rubric.
7. Your presentation will be evaluated by the conference coordinator to determine the success of your presentation. You will be provided with feedback to help guide future presentations. Please see the attached rubric.
8. Periodically, there will also be opportunities during the conference for discussion and clarification of concepts presented. You will be called upon to support this discussion by answering questions or dealing with any misconceptions that may have arisen. Please see the attached rubric.
9. Periodically during the conference, the conference coordinator will administer evaluations to gauge participant understanding of the concepts presented.
10. At the end of the conference, the conference coordinator will administer a final evaluation to gauge participant understanding of all concepts presented. The goal of the evaluation is to ensure that all participants leave the conference with optimum understanding.