IB Math SL Exploration Checklist

**Criterion A: Communication**
- □ Does your exploration begin with an introduction?
- □ Did you include a rationale (an explanation of why your topic was chosen)?
- □ Did you describe the exploration's aim (the result that you wanted it to establish)?
- □ Are the parts of your exploration logically organized?
- □ Did you use visual aids such as tables, graphs, and diagrams?
- □ Did you make certain that your exploration does not bog down with too many details, needless repetition, or overly-large and tedious tables?
- □ Does your exploration end with a meaningful conclusion (not a restatement of the introduction)?

**Criterion B: Mathematical Presentation**
- □ Did you use mathematical vocabulary entirely correctly?
- □ Did you include entirely standard and correct mathematical notation?
- □ Did you make use of technological presentation such as graphing software or spreadsheets?

**Criterion C: Personal Engagement**
- □ Did you demonstrate interest in what you presented?
- □ Did you demonstrate personal connections to topics that you analyzed?
- □ Did you use mathematics in original analyses of your topics (not just report researched results of others)?
- □ Is there evidence in your exploration of inventive approaches to the topics?

**Criterion D: Reflection**
- □ Did you present broader possible significance and extensions of your results?
- □ Did you critically assess the value of your results, including limitations?
- □ Did you include questions raised by your exploration that you would find interesting to investigate further?

**Criterion E: Use of Mathematics**
- □ Did you use mathematics at least at the level of the IB Math SL syllabus?
- □ Did you carefully proofread for any incorrectness in the mathematics that you used?
- □ Did you clearly demonstrate your understanding of the mathematics that you used?