

IB MATH SL2 SUMMER ASSIGNMENT

I hope everyone is having a good summer. Here's a reminder about the summer assignment. The first part is due the first day of school, Monday, August 27th or Tuesday, August 28th and the second part will be due the second week of school. These are the same assignments we discussed in your IB Math SL1 class before school ended.

Part 1: Sample Exploration Write Up: Choose 3 Samples: Read, summarize and critique.

1. Copy and paste the following website into your browser: https://ibpublishing.ibo.org/live-exist/rest/app/tsm.xml?doc=d_5_matsl_tsm_1205_1_e&part=1&chapter=1&IBVal=U9KMUCHGZ9NBX2KJ0GJO&CFID=1032220&CFTOKEN=79590865&jsessionId=bc30d1a8c19ca601ce75432416b333b411a2
2. Browse through the 21 examples on the left side, looking at the title on the top and then clicking on Student Work (or Annotated Student Work) on the right side. (I think #11-#21 are more appropriate for SL Math.) Find three that interest you and read the papers. Then click on Comments on the right side to see how the assessment criteria were applied and the paper scored.

Write a page and a half (double spaced) for each sample chosen. Bring a typed hardcopy of your 3 sample write ups on the first day of school. Make sure your name is on page 1.

3. Include the following:
 - A brief explanation of the topic
 - A brief explanation of the types of mathematics and technology used in the project
 - Whether you agree or disagree on the scoring of **each assessment criteria** (see Skills and Strategies and Assessment Criteria... A through E, SL only...under General Guidance on website to better understand these assessment criteria).
 - Whether this paper helps you to choose your own topic or provides ideas about how to represent concepts for your topic.

Part 2: Choose your Exploration Topic

Use the website above to generate ideas:

- Click on General Guidance, then Planning and scroll down to stimuli to generate your own ideas.
- Click on Frequently Asked Questions
- Think about topics that interest you and how they relate to mathematics. Do some research to determine whether you will have sufficient resources to fully develop your exploration and whether you are comfortable working with the math.

The second week of school you will be asked to provide an outline of your Exploration which will include:

1. The specific topic (or title)
2. Intended goal/aim of the Exploration.... What do you plan on showing? Investigating? What question are you trying to answer?
3. Possible sources (websites, etc.) and research you will need to investigate your topic, including specific data sources (make sure the data you plan on using is available).
4. Possible visual representations (graphs, tables, diagrams...) to include in your paper.
5. Mathematical connections (i.e., syllabus topics) to your area of interest. Refer to the table of contents in the IB Math SL textbook. BE SPECIFIC!