



I.E. WELDON SECONDARY SCHOOL COURSE INFORMATION SHEET

Course:	MHF 4UB – IB SL Mathematics	Room #:	232
Teacher:	Mr. Allore	Voicemail:	705 324-3585 x 19002
Website:	https://sites.google.com/a/tlidsb.net/allore/	E-mail:	p.allore@tlidsb.on.ca

Course Description

This is the second of three courses which will prepare students to write the IB Mathematics Standard Level Exams in May of their Grade 12 year. It covers additional work to satisfy credit requirements of the grade 12 University Level Ontario course MHF 4UB.

The IBO aims to develop inquiring, knowledgeable and caring young people who help to create better and more peaceful world through intercultural understanding and respect.

The programme encourages students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.

Units of Study

1. Probability
2. Statistics
3. Probability Distributions
4. Limits and Derivatives
5. Velocity, Acceleration and Optimization
6. Exponents, Logs and Their Derivatives
7. Derivatives of Trigonometric Functions
8. Exploration

Texts and Resources

- Mathematics Standard Level with CD Oxford (\$85)

Required/Suggested Materials:

- Notebook
- Writing utensils
- Calculator (a GDC will be available in class. You may purchase your own if you like. Be sure to check with Mr. Allore that it will be allowed on the final exam before you buy one.)

IB Evaluation Procedure

- **Unit Tests and Assignments** – 40%
- **Mathematical Exploration*** – 20%
- **Final Exam** – 40%

*The **Mathematical Exploration** is a comprehensive task required of all Math SL students. Students will receive plenty of classroom time to choose a unique topic, and create a paper based on their own mathematical inquiry.

See the class website for more explicit details.

Deadlines

Students are expected to meet all deadlines set out by the subject teacher. Failure to complete work may result in communication with parents, referral to the office and exclusion from school. **Not done is not acceptable.**

Academic Dishonesty

Any ideas or words that come from any source other than from personal experience must be formally referenced. Failure to do so is considered plagiarism. Cheating during tests or exams is forbidden. Academic dishonesty of any kind results in a mark of **zero**.

Missed Evaluations

Students who are absent the day of an evaluation are expected to write the day they return to school or at a time agreed upon by the teacher. Arrangements regarding planned absences must be made with the teacher in advance.

Attendance

Good attendance is essential for academic success. Students who have chronic problems with attendance undermine their ability to gain a credit.

Reporting

Student achievement will be reported in all courses at the following times:

Semester #2

Mark Update Week – March 9 - 13
Parent's Night – March 26 – 4:30 – 6:30 p.m.
Interim Report Card – April 24
Pre-exam Mark Update Week – May 25 - 29
Final Report Card – mailed first week of July

Keeping Informed

Parents/guardians may keep up to date by checking my website <https://sites.google.com/a/tlidsb.net/allore/>. It will list the assigned work as well as upcoming test dates and assignment due dates as well as marks. If you are ever concerned about your child's mark, please contact me.

Students are encouraged to:

- **enjoy** mathematics, and develop an appreciation of the elegance and power of mathematics
- **develop an understanding** of the principles and nature of mathematics
- **communicate** clearly and confidently in a variety of contexts
- **develop logical, critical and creative thinking**, and patience and persistence in problem-solving
- **employ and refine** their powers of abstraction and generalizations
- **apply and transfer skills** to alternative situations, to other areas of knowledge and to future developments
- **appreciate** how developments in technology and mathematics have influenced each other
- **appreciate the moral, social and ethical implications** arising from the work of mathematicians and the applications of mathematics
- **appreciate the international dimension** in mathematics through an awareness of the universality of mathematics and its multicultural and historical perspectives

In order to better to communicate with parents, I would ask that you provide an email address in the space below the parent signature.

Student Signature

Parent/Guardian Signature

Parent/Guardian Email