# 📘 IB Math: Analysis and Approaches SL – Student Syllabus

Welcome to IB Math AA SL! This course is all about exploring math in a fun and analytical way. You'll learn how to solve problems, think critically, and apply math to real-world situations. You will show mastery of course material with an Internal Assessment, Paper 1 and Paper 2 at the end of your 2nd year of the course.



Instructor: Ms. Fredenberg

Grade Level: 11–12

Tutoring: 3:10-3:50pm daily

Planning: 2:20-3:10pm

Remind Code: @h8273kk

# Course Overview

This course will help you become an expert in mathematical skills and arguments. You will explore real and abstract concepts. The class will incorporate these ideas with and without technology. This course is designed for learners who enjoy critical thinking and problem solving.

## 📊 How You're Graded

Your final grade is based on two types of assessments:

* Minor Assessments (60%): Classwork, Homework, Quizzes
* Major Assessments (40%): Unit Tests and Projects

## 📝 Minor Assessments (60%)

These help you practice and improve:

* Classwork: Group activities, problem solving
* Homework: Practice problems and reflections
* Quizzes: Short checks on recent topics

## 📚 Major Assessments (40%)

These show what you've learned:

* Unit Tests: End-of-unit tests with IB-style questions
* Projects: Real-world math tasks

## 📚 Topics

Topic 1: Numbers and Algebra

Topic 2: Functions

Topic 3: Geometry and Trigonometry

Topic 4: Statistics and Probability

Topic 5: Calculus

## 📚 Resources You'll Use

* IB Math AA SL Textbook
* Desmos, GeoGebra and Ti-84
* In Thinking
* Revisions Village
* Notes and worksheets from your teacher

# IB Academic Honesty Statement

As an IB student, you are responsible and expected to keep the highest standards of academic integrity. All work must be your own, and the use of proper citations when it isn’t your work. Your Internal Assessment (IA) has to be written in your own words and the mathematical thinking done by you. Plagiarism and cheating will not be tolerated.

# Responsible Use of AI Tools

AI tools such as ChatGPT, Copilot, and others may be used to support learning, such as helping to understand math concepts or generating more practice problems. When turning in work it must be done by you. Any use of AI must be acknowledged, and students are responsible for ensuring that their work reflects their own understanding and effort.

***Supplies: Graphing Ti- 84 Calculator, Desmos Graphing Calculator App, Highlighters, Color Pencils, Graphing Paper, 1-inch binder, 5-tab dividers, access to online resources ( Canvas, AP classroom, Desmos, etc.)***