**Welcome to IB Mathematics Applications and Interpretations Year 2**



**Ms. Fredenberg**

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Tutoring: 3:10-3:50pm daily

Planning: 2:20-3:10pm

**Course Overview**

**What We’ll Learn:**

* Cool math topics over two years!
* Algebra, calculus, and vectors—fancy stuff!
* Stats, probability, and secret math handshakes.

**Big Exams:**

* Paper 1: Show off your math muscles.
* Paper 2: Decode data like a math detective.

**Goals:**

* Understand math ninja secrets.
* Think logically and creatively.
* Appreciate math’s global impact. Master your trusty calculator. Got more questions? Ask away!

**Units Covered**

**Number & Algebra:**

* Explore numbers, equations, and algebraic magic.
* Get comfy with variables and solve puzzles.

**Functions:**

* Understand how functions dance and sway.
* Graphs, equations, and patterns—oh my!

**Geometry & Trigonometry:**

* Shapes, angles, and trigonometric secrets.
* Navigate triangles like a math explorer.

**Statistics & Probability:**

* Data detectives unite!
* Chance, randomness, and real-world insights.

**Calculus:**

* Rates of change, slopes, and curves.
* Master the art of motion in math

**Big Exam Spring 2025**

Paper 1: Algebra, Calculus, and Vectors: You’ll tackle problems related to these topics. Think Math: Apply what you’ve learned!

 Paper 2: Stats, Probability, and Discrete Math: Dive into real-world scenarios. Context Matters: Interpret data like a pro.

**Internal Assessment (IA) Due by March, 2025**

**What’s the Deal?** It’s like a math adventure you go on all by yourself. Your teacher guides you, but you’re the hero!

**Show and Tell:** You write about your adventure—math style! Use cool stuff like formulas, graphs, and tables.

 **Topic Time:** Pick a math topic you love. Dive deep, explore, and impress everyone!

*Remember, it’s your chance to be a math wizard! If you need more help, just ask!*

**Academic Honesty**

**What Is Academic Honesty?** Academic honesty means being truthful and fair in your schoolwork. It’s like playing by the rules when you’re doing assignments, projects, or tests. When you’re honest, you don’t cheat, copy from others, or pretend someone else’s work is yours.

**Why Is It Important**? Imagine if everyone cheated or copied—school wouldn’t be fair, and learning wouldn’t happen. Being honest helps build trust with teachers, classmates, and yourself.

**What Are the Rules?** No copying or cheating: Always do your own work.

**Cite your sources**: If you use someone else’s ideas, give them credit. Be responsible: Understand what’s allowed and what’s not.

**Consequences:** If you accidentally break the rules (Level 1), teachers will talk to you. Repeated mistakes can lead to more serious consequences (Level 2), like academic probation or even dismissal from the IB Programme.

*Remember, being honest is not just a rule—it’s a way to show respect for yourself and others!*

**Grading Policy**

**Minor Assessments**: These are like smaller quizzes or classwork. They make up 60% of your grade.

**Major Assessments**: These are bigger tests or projects. They count for 40% of your grade. Remember, your grades are there to help you succeed!

**Late Work Policy:** What You Need to Know

**Submit On Time:** Always try to turn in your assignments by the deadline. If you can’t, don’t worry—there’s a process for late work.

**Time Frame:** You have a little extra time after the deadline to submit your work. But don’t wait too long! Penalty: If you submit late, your score might be reduced. For every school day it’s late, you could lose 5% (up to a maximum of 25%).

**Relearning and Reassessments:** Each major assessment you can retake one time. You will need to fill out the relearning/reassessment plan found on the school website and complete any work required before reassessing.

**Cellphone Policy**

**When You Can’t Use Your Phone:** During the entire school day (from when you arrive until you leave). This includes class periods, breaks, and any other time you’re on campus. No phone use in common areas, hallways, restrooms, or locker rooms.

**What’s Not Allowed:** No texting, social media, or app use during school hours. Emergency calls can be made in the main office. Parents can contact you through the school office.

**Special Cases:** If you have a serious medical condition, you may get permission to use your phone. Remember, using phones during school can disrupt learning, so follow these rules!

**Cellphone Policy Offenses**

**First Offense:** If you’re caught using your phone during school hours (the instructional day), your phone will be taken away. You can pick it up at the end of the same school day. The incident will be recorded in your discipline record.

**Second Offense:** If it happens again, your phone will be confiscated. Your parent can pick it up on the following Friday. Another record will be added to your discipline history.

**Third Offense:** Same as the second offense, but you’ll also get one day of in-school suspension (ISS).

**Fourth Offense and Beyond**: Your phone will be taken away for ten school days. Your parent needs to schedule a conference with an administrator to get it back. You’ll receive three days of in-school suspension (ISS).

**Noncompliance:** If you refuse to give up your phone, it’s considered insubordination. You’ll get two days of out-of-school suspension. Remember, following the rules helps everyone learn better!

**Supplies**

* Texas Instruments TI-84 Plus CE
* Lots of Pencils
* Highlighters
* Dual Graph and Composition Dual Notebook

**Sign up for Remind**

Code: fred1stpd

If you have any questions or concerns during the year please email me or message me in Remind.