



IB MYP (Middle Years Programme) Math 9

Email & Teacher Webpage

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Team Harriet: Taylor Berg

Room W125

Team Cedar: Lance Oberembt

Room W101

Team Isles: Heather Paulson

Resident Teacher: Carmen Luna-Robledo

Room W124

Team Nokomis: Lorelei Soli

Room W118A

Course Description/Purpose IB MYP (Middle Years Programme) Math 9

IB MYP Math 9 course begins the journey of mathematics at an IB World School. The courses encourage and enable students to use the language, symbols, and notation of mathematics. Students will be confident analyzing and solving problems. They will develop the knowledge and skills necessary to pursue further studies in mathematics. The IB MYP Math 9 classes will provide differentiated opportunities that focus on making connections and prepare students to be successful in IB mathematics programme.

Course Goals/Learning Objectives

Topics to be covered in this course include:

Standard Level

- Linear Functions
- Coordinate Geometry
- Similarity and Trigonometry
- Function Transformations
- Exponentials
- Quadratics
- Statistics & Probability

Extended Level

- Systems
- Vector Analysis
- Similar and Trigonometric Relationships
- Unit Circle and Periodic Functions
- Exponentials and Logarithms
- Polynomials
- Statistics
- Probability & Logic

Technology Use

Students are expected to put away their electronics before they enter class.

- **No electronic use during class time.**
- Using electronics that is hindering a students' ability to be part of the learning community will be subject to school electronic use policies.
- Students are expected to use the **Student Portal & Teacher Pages** to keep apprised of their progress in class.

Required Textbooks/Equipment

- All students are required to have a **graphing calculator. (Texas Instrument or Casio fx 9750)**
- Notebook/Folder
- Pencils
- Mathematics for the International Student MYP4, Haese & Harris Publications

Classroom Procedures/Policies

Be on time
Be prepared
Be on task
Be respectful

Classroom Conduct

All students must respect each other's right to learn.

- If a student's behavior inhibits another student(s) from learning, the teacher will determine the appropriate interventions.
- Teacher will follow the Minneapolis discipline policy, including appropriate use of personal electronics in the classroom.
- Classroom expectations will be developed as a class. They will be posted in the classroom, and online.

Student Code of Conduct

All students are expected to adhere to the Southwest High School and Minneapolis District Citywide Discipline Policy, designed to promote a safe and respectful learning environment. For more information about your rights and responsibilities consult the Southwest Student/Parent Handbook.

Academic Integrity: Plagiarism/Consequences

- Instances of cheating will result in a 0 for the first offense. Future offences may jeopardize course credit.
- Find a definition of "academic dishonesty" on page 10 of the Student Handbook.
- Instances of cheating include copying someone's work or allowing others to copy your work.
- It is expected that members of this class will observe policies of academic honesty and be respectful.

9th Grade Math Tutoring support

*Monday: Oberembt, **Room W101**
*Tuesday: Berg, **Room W125**
*Wednesday: Paulson, **Room W124**
*Thursday: Soli, **Room W118A**

***Additional times by appointment - Talk with your teachers**

Formative and Summative Assessment

Formative Assessment (Weighted 10%): Students are expected to practice what they are learning. Exercises will be randomly checked for completion. Late exercises will not be accepted.

Rubric:

0	1	2
Did not Complete	Partial Effort	Complete Effort

Assessment Grading Scale

Letter Grade	%	IB Grade of 8
A	100%	8
A	87%	7
A-	75%	6
B+	71%	
B	62%	5
B-	60%	
C+	57%	
C	50%	4
C-	45%	
D+	37%	3
D	32%	
D-	25%	2
F	12%	1
F	0%	0

Summative Assessment (Weighted 90%): Assessments include written tests, investigations, & projects. Assessments are graded on a scale of 1 to 8 on the IB rubrics of each criterion.

Criterion A: Knowing and Understanding Mathematics

- Students will be assessed in familiar and unfamiliar situations in a variety of contexts.

Criterion B: Investigating Patterns

- Students will explore patterns, describe the found patterns, and verify or prove their findings.

Criterion C: Communicating Mathematics

- Students will use mathematical language and representations to communicate mathematics using logical and organized methods.

Criterion D: Applying Mathematics in Real-life Contexts

- Students will use problem-solving skills to solve real-life applications. In addition to solving these applications, students will defend their methods, justify the accuracy of their solution, and defend whether the solution makes sense in real-life.

Opportunities for Improvement: Unit tests will allow for students to show growth, and improve quiz scores from within the unit.

Late Projects: If you believe you will not be able to complete a project by the due date, you must advocate for an extension, and determine with your teacher the new due date.

We look forward to a successful year of MYP Math 9!

Taylor Berg (Harriet), Lance Oberembt (Cedar), Heather Paulson (Isles), Lorelei Soli (Nokomis)

Student Signature: _____

Parent/Guardian Signature: _____

Guardian Email/Phone Number: _____

Thank you! ☺