SOUTHWEST HIGH SCHOOL
"Inspiring Excellence in Arts and Academics"

Course Name **Credit Hours**	IB MYP (Middle Years Programme) Math 9 3 Math Credits
9th Grade Teachers	**Team Harriet:** Taylor Berg, Robyn Connelly **Team Nokomis:** Annie Perkins **Team Cedar:** Lance Oberembt **Team Isles:** Heather Paulson, Wyatt Ehlke
Emails and webpages	Email & Web (format is same for all teachers) Heather.Paulson@mpls.k12.mn.us http://southwest.mpls.k12.mn.us/Paulson_Heather.html 9th Grade Math Tutoring support: *Monday: Berg, Connelly, Oberembt **Room W101 and W125** *Tuesday: Peer Tutoring, **Garages** *Wednesday: Peer Tutoring, **Garages** *Thursday: Paulson, Ehlke, Perkins **Rooms W118B and W124** ***Additional times by appointment - just talk with your teachers!**
Course Description/Purpose	IB MYP Math 9 encourages and enables students to use the language, symbols, and notation of mathematics, to be confident using mathematics to analyze and solve problems both in and out of school, and to develop the knowledge and skills necessary to pursue further studies in mathematics. The course includes algebraic representation and reasoning, sets and venn diagrams, coordinate geometry and plane geometry, statistics and probability, financial mathematics, trigonometry, simultaneous equations, vectors, deductive geometry, and logic. The IB MYP Math 9 class will be provided differentiation opportunities that focus on connections of skills learned in prior years with current concepts, review and pre-teaching of skills featured in class, and a preview of advanced concepts from future classes.
Technology Use Policy	**Students are expected to put away their electronics when class begins.** *Students will be told when phones and personal electronics can be utilized as part of our learning experience.* All electronics that are hindering a students' ability to be part of the learning community, will be turned into the office and will be subject to school electronic use policies. Students are expected to use the **Student Portal** to look up grades, missing exercises, and keep apprised of their progress in class.

Course Goals/Learning Objectives	Topics to be covered in this course include: • **Linear Functions** • **Coordinate Geometry and Vectors** • **Similarity and Trigonometry** • **Radicals and Special Right Triangles** • **The Unit Circle** • **Polynomials** • **Statistics** • **Probability**
Required Textbooks/Equipment	• <u>Mathematics for the International Student MYP4</u>, Haese & Harris Publications • All students are required to have a graphing calculator. (TI-84 is recommended). • Notebook/Folder • Pencils
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	**It is expected that members of this class will observe strict policies of academic honesty and will be respectful of each other. Any instances in which cheating, including plagiarism and unauthorized use of copyrighted materials, computer accounts, or someone else's work is determined, will be referred to Student Services and will be investigated to its full extent. Instances of cheating will result in a 0 for the first offense, and an F for the course the second offense. <u>Find a definition of "academic dishonesty" on page 10 of the Student Handbook.</u>**
Classroom Procedures and Policies	<u>**Classroom Conduct**</u> **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 disciplinary action. Teacher will follow the Minneapolis discipline policy, including appropriate use of personal electronics in the classroom. <u>**Classroom Expectations will be developed as a classroom community and posted in our room and on the teacher page.**</u> **Be on time, prepared, on task and respectful.**

**Exercises
And
Assessments**

Assessment Grading Scale

Grade	Percentage
A	87%
A-	75%
B+	71%
B	62%
B-	60%
C+	57%
C	50%
C-	45%
D+	38%
D	32%
D-	25%
F	0%

Exercises: Students are expected to practice what they are learning.

- Students correct their practice via teacher provided solutions or their textbook.
- Students self-assess their work using the following **rubric**:

0	1	2
Did not Complete	**Partial Effort**	**Complete Effort**

- Students keep a record of their self-assigned exercise score.
- Teachers will report exercise progress in the student portal.
- Exercises do not *directly* count towards grades in this course.

Special Circumstances: If your assignment is late, you must advocate for an extension and let your teacher know when you are turning in the work.

Assessments: Assessments include written tests, investigations, and projects. All assessments will be graded on a scale of 1 through 8 under the IB rubrics of each criterion. **End of unit assessments will allow students to demonstrate growth in the unit**.

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
- 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.