|  |  |
| --- | --- |
| **bannerlogo.JPG****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** | **IB MYP (Middle Years Programme) Math 9** Email & Teacher Webpage**Taylor.Berg@mpls.k12.mn.us**[**http://southwest.mpls.k12.mn.us/Berg\_Taylor.html**](http://southwest.mpls.k12.mn.us/Berg_Taylor.html)**Lance.Oberembt@mpls.k12.mn.us**[**http://southwest.mpls.k12.mn.us/Oberembt\_Lance.html**](http://southwest.mpls.k12.mn.us/Oberembt_Lance.html)**Heather.Paulson@mpls.k12.mn.us**[**http://southwest.mpls.k12.mn.us/Paulson\_Heather.html**](http://southwest.mpls.k12.mn.us/Paulson_Heather.html)**Lorelei.Soli@mpls.k12.mn.us**[**http://southwest.mpls.k12.mn.us/Soli\_Lorelei.html**](http://southwest.mpls.k12.mn.us/Soli_Lorelei.html) |
| **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:Extended Level* **Systems**
* **Vector Analysis**
* **Similar and Trigonometric Relationships**
* **Unit Circle and Periodic Functions**
* **Exponentials and Logarithms**
* **Polynomials**
* **Statistics**
* **Probability & Logic**

Standard Level* **Linear Functions**
* **Coordinate Geometry**
* **Similarity and Trigonometry**
* **Function Transformations**
* **Exponentials**
* **Quadratics**
* **Statistics & Probability**
 |
| **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/Consequence**s | 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****Formative and Summative Assessment****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** |

 | \*Monday: Oberembt, **Room W101**\*Tuesday: Berg, **Room W125**\*Wednesday: Soli, **Room** **W118A**\*Thursday: Paulson, **Room** **W124**\***Additional times by appointment - Talk with your teachers****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** |

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! ☺**