**Honors Algebra 1 Syllabus 2017- 2018**

Ms. Brauer (Rm. 339) [mabrauer@cps.edu](mailto:mabrauer@cps.edu)

***Course Description***

Algebra is the foundation for further study in mathematics. In algebra, students study patterns, properties, real numbers, the number line, linear equations and inequalities, proportions, formulas, systems, polynomials, radical expressions and equations, two step equations and quadratic equations. Literacy activities, which focus on the Chicago Reading Initiative’s instructional framework, will be merged into the curriculum where appropriate. Honors credit is available. Topics at the honors level are presented in greater depth and rigor than at the regular level.

***Course Topics***

Unit 1: Foundations of Algebra

Unit 2: Solving One-Variable Equations and Inequalities

Unit 3: Ratios and Proportions Relationships, Graphing Linear Equations, Linear Inequalities, and Absolute Value Function

Unit 4: Writing and Graphing Linear Equations and Solving Systems of Linear Equations and Inequalities

Unit 5: Exponents and Exponential Functions

Unit 6: Quadratics

Unit 7: Modeling with Non-Linear Functions

Unit 8: Statistics

***Classroom Rules***

1. Be on time and prepared for class every day.
2. Listen to others when they are talking.
3. Be an active participant in classroom discussions.
4. Work when it is work time.
5. Listen and follow directions.

***Required Supplies***

* Folder and/ or Binder
* Notebook
* Writing Utensils (pencils preferred)
* Texas Instruments Calculator (TI-30, TI-36, TI-83, or TI-84 is suggested)

**\*Cell Phones are not to be used as a calculator during class time**

***Cell Phone Use***

Cell Phones are not to be used during class time unless otherwise specified. Additionally, ear buds and cords are not to be visible. If a student is using their phone during class, then they will need to put their phone into the cell phone bin and collect it after class. There will be select times based on student performance and allotted activities that students will be allowed to listen to music while working on individual assignments.

***Grade Breakdown***

50% Summative Assessments

30% Formative Assessments

20% Approaches to Learning (ATL)

\*\*ATL includes preparedness for class, arriving on time with supplies and homework completed, being engaged in class work, and contributing to a learning environment.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Grading Scale:**  A is 90% and above  B is 80 – 89%  C is 70 – 79%  D is 60 – 69%  F is 59% and below | **Conversion from MYP Rubric to Percentage:**   |  |  | | --- | --- | | **IB MYP Score** | **Assigned Percent** | | **8** | **100** | | **7** | **95** | | **6** | **90** | | **5** | **85** | | **4** | **80** | | **3** | **75** | | **2** | **70** | | **1** | **65** | | **0** | **50** | | **IB Criterion**  **Criterion A:** Knowing and Understanding  **Criterion B:** Investigating Patterns  **Criterion C:** Communicating  **Criterion D:** Applying Mathematics in Real-Life Contexts |

***Hall Pass***

A student may only leave the classroom with permission from the teacher and an official hall pass.

***Tardiness***

If students are not in the classroom by the time class starts and do not have a pass, they will be given a tardy. All students should enter the classroom respectfully and quietly especially if they enter class late. If you are late to class, please get started on the current task as quickly as possible. If there is an assignment to be turned in that has already been collected when you arrive, please place it on my desk. If you have a pass, please also leave that on my desk.

\*\*\***Cell phones and ear buds should not be visible when you enter the classroom since class will have begun if you are tardy.**

***General Classroom Policies*** (Please consult the Taft handbook for school policies and procedures)

1. Maintain academic integrity.
2. Respect each other and yourselves.
3. Absences must be excused in order to make up missed assessments.
4. Absolutely no electronic devices should be visible or in use.

***Late Work Policy***

Any late work turned in will only be accepted by the **end of the** **current unit**. If a student will be participating in a “Save the Grade” workshop, the work assigned make-up work will involve assignments from the current unit.

If you are absent, it is your responsibility to make up any assignments missed.

1. Check the math blog to see what you missed: **msbrauersmathblog.weebly.com**
2. Email me at [mabrauer@cps.edu](mailto:mabrauer@cps.edu) if you have additional questions

Please talk to me to determine the amount of time that will be given to complete any assignments/ assessments.

To check what assignments you are missing check the math blog **(msbrauersmathblog.weebly.com)**, Gradebook, or email me at [mabrauer@cps.edu](mailto:mabrauer@cps.edu).

***Help***

If a student needs help with any topic discussed in class, I am available periods 1, 5, 6, before and after school **by appointment**. You can sign up for an appointment on my website **msbrauersmathblog.weebly.com** under “Contact Ms. B”. If you have questions that can be answered through e-mail, my address is [mabrauer@cps.edu](mailto:mabrauer@cps.edu).

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (student), have read and have full understanding of the entire syllabus.  I agree to abide by all of the classroom rules and CPS Student Code of Conduct.

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(parent/guardian), have read and have full understanding of the entire syllabus.  I agree to acknowledge all of the classroom rules and Student Code of Conduct.

Parent/Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Please provide contact information:***

1st Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Best time to contact: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Do you prefer: \_\_\_\_ Phone     \_\_\_\_Email

2nd Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Best time to contact: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Do you prefer: \_\_\_\_ Phone     \_\_\_\_Email