



# **2020-2021 Precalculus Syllabus**

**Ms. Berry**

**Room 216**

## **SUPPLIES**

- 1 box of tissues (Turn in to Ms. Berry!)
- Mechanical Pencils
- Highlighters
- 1 folders with brads (for unit packets)
- Graphing calculator

## **GRADING POLICY**

60% Summative Assessments <ul style="list-style-type: none"><li>• Tests</li><li>• Major Projects</li></ul>	40% Formative Assessments <ul style="list-style-type: none"><li>• Daily Practice</li><li>• Skill Checks</li><li>• Quizzes</li></ul>
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**\*\* Parent Portal will serve as the official record of grades, not the Canvas gradebook. \*\***

## **CLASSROOM STANDARDS**

Students will be expected to:

- Follow directions the first time given.
- Be on time & prepared every day.
- Respect yourself, others, & the school.
- Be responsible & complete all assignments, quizzes, and tests with integrity.

**Phones must always be secured inside of your school bag and may not be operational in the classroom for any reason unless specifically instructed otherwise by Ms. Berry.**

## **CONSEQUENCES**

Every day, students are expected to follow all classroom standards. If they do not, there will be consequences.

- 1<sup>st</sup> offense: Verbal warning & conference with student
- 2<sup>nd</sup> offense: Parent contact or conference (phone or email)
- 3<sup>rd</sup> offense: Teacher disciplinary action (detention, seat change, loss of privileges, etc.)

## **PROGRESS REPORTS**

Progress reports will be distributed to every student following the third week of each six-weeks. If a student has a 75 or below, it is their responsibility to have a parent/guardian sign the report. Signed progress reports should be returned by the student the following school day.

## **TUTORIALS**

Tutorials are offered during Flex time or during scheduled virtual office hours for remote learners. To schedule a virtual one-on-one help, you may contact Ms. Berry.

## **DAILY WORK**

- Practice assignments and skill checks will be given daily, unless otherwise indicated. Their purpose is to give the student an opportunity to practice the objective covered in each lesson and assess their own understanding.
- Students are expected to always be thorough and show all work in a neat and organized way. The teacher should be able to easily follow the student's reasoning and processes for every question. This allows the teacher to provide specific feedback on how the student can best improve.
- Practice assignments and skill checks will be graded in a variety of ways including, but not limited to, completion and accuracy.

- Late work will be accepted for full credit up until the day of the unit test. After taking the unit test, practice work and skill checks will no longer be accepted for credit. However, completion of missing assignments will be a required part of the reteach/retake process for that unit.

**QUIZZES**

- Quizzes will be given on a regular basis after the transitional hybrid period. If you miss a quiz, please schedule a makeup as soon as possible.
- A second attempt on quizzes will be offered in accordance with the AISD Grading Guidelines regarding reteach/retake/re-do of **formative** assessments. (See AISD Grading Guidelines for details.)

**TESTS**

- Test dates will be announced about 1 week in advance. We will have at least 3 tests each 9-weeks.
- Students will be given a review or study guide before each test. Reviews are meant to give you examples of problems that may appear on the test, but are by no means all-inclusive.
- A second attempt on tests will be offered in accordance with the AISD Grading Guidelines regarding reteach/retake/re-do of **summative** assessments. (See AISD Grading Guidelines for details.) Semester and final exams are not a part of the reteach/retake policy and cannot be retaken.

**MAKEUP WORK**

- It will be the student’s responsibility to access the Canvas LMS to retrieve and complete any work missed due to an absence. If a student knows they are going to be absent, assignments should be requested in advance when possible. Make-up assignments that are not turned in in a timely matter will be considered “late”.
- Quizzes, tests and re-tests missed due to an absence must be made up during tutorial times within the time allotted by the school policy concerning make-up work (see handbook).
- Missing class because of ISS is not considered an absence, and students will be held accountable for all assignments as if they were present in the classroom.

**COURSE CONTENT**

Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems.

Students systematically work with functions and their multiple representations. The study of

Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts at higher levels.

<b>First Semester</b>	<b>Second Semester</b>
Review of Fundamental Skills	Trigonometry Basics
Review of Basic Functions & Their Graphs	Trigonometric Equations
Piecewise Functions	Trigonometric Identities
Polynomial Functions	Graphs & Equations of Trigonometric Functions
Rational Functions	Triangle Trigonometry
Exponential Functions	Vectors
Logarithmic Functions	Sequences & Series
Conic Sections	Parametric Equations with Applications
	Polar Coordinates & Graphs

***The teacher reserves the right to add, change, adjust, or modify any classroom policy or procedure at any time if deemed necessary for the success of her students.***