

Phone: 713-688-1361

Website: www.houstonisd.org/waltrip

# Precalculus Course 2022-2023

Instructor: S. Hadj HmidaEmail: slim.hadjhmida@houstonisd.orgRoom: 3222

Office Hours: Tuesday (11:00AM-12:00PM) & Thursday (11:00AM-12:00PM)

# Waltrip High School

**Welcome to Precalculus!** Precalculus is a course or a set of courses that includes algebra and trigonometry at a level which is designed to prepare students for the study of calculus.

#### **CURRICULUM RESOURCES**

The lessons and activities you will complete this semester will come from the primary sources listed below:

- Houston Independent School District Curriculum
- Pearson Geometry (Digital Resources)
- Imagine Math
- Khan Academy
- IXL

## **GRADING SCALE**

- Classwork/Homework 50%
- Tests/Projects/Quizzes 30%
- Daily Participation 20% .....including warm-up, exit ticket, notes, etc....

## ASSESSMENTS AND RETAKE POLICY

This year, Precalculus students at Waltrip High School will take common assessments. Be prepared to do your best in our discovery of Precalculus. Within HISD policy, students are allowed to retake any test failed during the school year.

In the Precalculus, our retake policy is as follows: Students will have one week to retake a failed assessment with a maximum score of 75%.

#### MAKE-UP FOR LATE WORK:

It is the student's responsibility to check with the teacher about missing or make-up work. Students have up to **3 days** to turn in missing work from absences. Reminders will be given, when possible, but **ultimately it is the student's responsibility.** Late work will not receive full points and the **maximum score is 80** 

#### **CLASS MATERIALS (REQUIRED)**

1 composition notebook loose leaf paper 1 pocket folder pencil/pen color pencils/markers laptop

## **HOMEWORK**

Expect to have homework weekly.

## COURSE GOALS

Upon completing this course, you will be able to:

- Graph linear, polynomial, trigonometric, exponential, and logarithmic equations.
- Identify equations for given graphs.
- Work with functions: inverting, composing, multiplying, and dividing.
- Represent and solve real-world problems requiring optimization of quadratic functions.
- Use the unit circle to determine the values of trigonometric functions.
- State and apply trigonometric identities.
- Use sequences and series to represent, analyze, and solve real-life problems.
- Evaluate expressions, describe patterns, formulate models, and solve equations and inequalities using properties, procedures, or algorithms.
- Build a strong foundation of mathematical concepts, techniques, and applications to prepare for calculus and other college-level courses.