Discrete Mathematics Course Syllabus
Parkwood High

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Course Description: The purpose of this course is to introduce discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared for college level algebra, statistics, and discrete mathematics courses.

> **Discrete Mathematics:** The study of discrete mathematics will include topics such as number systems, sets, counting, Boolean Algebra, trees and sorting, graphs, functions, recursive functions, logic gates, relations, matrices and population growth and combinatorics.

General Expectations	**Consequences**
1. You are to be respectful of everyone.	1st-Warning
2. You are to refrain from bringing food or drink into the hallways or classrooms.	2nd – Parent Contact 3rd- Office Referral

3. You are to be prepared every day with your chromebook, notebook and pencil.
4. You are to follow all school and county policies.

Expectations:

Assignments: You will receive an assignment packet at the beginning of each unit. They can also be found with each daily lesson page in Canvas. Please read the daily announcements every time you log in to your Canvas course page. Projects, tests, and quizzes, in addition to graded classwork/homework will be given with set deadlines.

Due Dates: All work is expected to be completed on a daily basis. All work must be shown and answers only will not receive credit. However, there will be a degree of flexibility to account for "life." The assignment packet is due the day before each tests.

Grading: Grades will be calculated by percentages. No grades will be "given" or curved, do your best on each assignment.

	Regular	Honors
Assignments	20%	15%
Quizzes	30%	25%
Tests	50%	60%

Materials: You will need a TI-83 or TI-84 calculator for this course or access to Desmos Online Graphing Calculator. There is a FREE TI-84 app on your chrome book, look for TI-84 Plus CE app in your webstore! Please do your best to bring paper and pencils to class with you, and organize them at home in a notebook/binder.

A Note to the Students: Success in this course depends on you! If you come to class ready to learn, do your required work and have a positive attitude, **you will do well**. If at any time you need help, need something re-explained or are having a problem, do not hesitate to ask or e-mail, that is why I am here. We can all learn from your questions!! You will have a very hard time being successful in the class and on the EOC exam if you do not put the personal effort into the class.

All contents within this syllabus are subject to change at the discretion of Ms. Laney as necessary.