Canyon Crest Academy: Discrete Math

Level of Difficulty	Estimated Homework	Prerequisites
☒Moderate ☐Difficult ☐Very Difficult	30-60 minutes	**District** C in Integrated Math 3 **Department** Recommended C in Integrated Math 3, or C in Math Analysis with Trigonometry

Course Description
In Discrete Math students will learn concepts such as: formal logic including path and circuit theory, probability, social theories such as elections theories, apportionment theories, fair division theories and game theories, number sense/mathematical reasoning including proofs and encryption, matrices/linear algebra as it applies to business and economics situations, history of math, and finance models. This class is designed to show you how math works in everyday life. The emphasis is on the application of concepts.
-Students entering Discrete Math should already have a good understanding of the following concepts:
• Basic math skills, especially solving for variables in equations.
• Solve basic probability questions.
• Students should also have strong reading skills and to be able to understand and interpret a variety of word problems and explanations of concepts.
-Students entering Discrete Math are expected to do the following things:
• Have a strong desire to learn concepts that make you think in different ways than you are used to in math classes.
• Do some reading assignments outside of class
• Ask "How does this apply to life?" and help find answers.
• Seek help when needed.

Grading
Students will be expected to spend an average of approximately 1 hour outside of class on homework for each class period. Approximately 1 section from the text will be covered per class and one chapter every 2 weeks. Each semester will have approximately 8 tests and 8 quizzes.

Grades will be calculated within the following guidelines:
• Tests and Quizzes: 50 – 70%
• Homework: 10 – 20%
• Projects: 15 – 35%

Syllabus Link
n/a

Supplemental Information
10 credits
Meets high school graduation requirement for Mathematics
Meets UC/CSU subject area ("C") requirement