

2018 Pre-Algebra Syllabus

Course Description: This is a 6-week mathematics enrichment course in which students are taught the following topics:

- Review of Basic Math Principles
- Fractions
- Greatest Common Factor
- Ratios and Percentage
- Graphing Inequalities
- Equations
- Graphing Linear Equations
- Polynomials
- Application of Algebraic Functions

Textbook*: *Pre-Algebra*, Seventh Edition, Charles, Davison, Landau et al

*Summer Program provides this textbook for all Pre-Algebra students

Course Outcomes:

Students will be able to:

- A. reinforce and extend principles of arithmetic to concepts of algebra and geometry
- B. use the calculator to solve typical & non-typical pre-algebra problems.
- C. strengthen use of pre-algebra skills and knowledge in preparation of algebra concepts.
- D. develop organizational skills in areas such as note taking, test taking and neatness in work.

Daily Required Materials:

1. Textbook*
2. #2 Pencils, Binder
3. Non-Graphing, Scientific Calculator (TI 30 or 40)

Specific Policies:

Students are expected to document notes and ask questions in class when uncertain in understanding the material. A daily classroom routine is established where students are responsible to seek assistance both inside and outside of class time. Students are encouraged to share ideas and participate in class discussions that will contribute to increasing the overall academic and fun environment of the class.