



Class: Algebra Basics

Teacher: Dr. Osnat Stone

Dates: July 12–30, 2021 (3 weeks)

Times: 9:30–11:30 a.m. (30 hours total)

Textbook Used: [*Beginning Algebra*](#), ISBN: 978-0-321-78491-9

Schedule:

Week 1:

- Working with integers
- Combining like terms/Distributive Property
- Algebraic Properties of Equality
- Solving multi-step equations and inequalities (in one variable)
- Solving word problems

Week 2:

- Functions, Basic function properties, function notation
- Patterns as they relate to functions
- Creating tables of values and graphing from equations

Week 3:

- Interpreting graphs/graphed data
- Finding slope from word problems, graphically, and from ordered pairs
- Finding equations of lines and graphing lines in slope-intercept form
- Exponent rules and simplifying expressions

Assessment:

- Quizzes are given approximately twice per week and feedback, not a grade, will be given.
- Optional homework assignments will be given for students seeking additional practice with specific topics.