

Middle School Algebra

Fall 2020 – Session 1

Instructor: Lyra Porcasi

Online Syllabus

Class objectives: This course is designed to follow the CCSS for 8th grade, and is an equivalent course for 8th grade math. In session 1, students will learn how to solve a variety of linear algebraic equations, and how to apply them in problem solving.

Topics covered:

1. Solving one-step equations
2. Solving two-step equations with fractions
3. Solving equations with variables on both sides
4. Solving equations with parentheses
5. Simple literal equations
6. Order of operations, evaluating expressions, combining like terms, and algebraic properties

Special Project: Name and Age in Mathematical and Symbolic Languages

Required materials for class every day: Single subject (1") 3-ring notebook, college-ruled lined paper, graph paper, pencil w/ eraser, scientific calculator (suggested TI-30), ruler.