

Pre-Algebra
Spring 2022 – Session 4
Instructor: Lyra Porcasi
Syllabus

Class objectives: This course is designed to follow the CCSS for 7th grade, and is an equivalent course for 7th grade math. In session 1, students will use the “Everyday Math” curriculum, Volume 2, to learn how to solve a variety of linear algebraic equations, and how to apply them in problem solving.

Topics covered:

1. Area and Ratios
2. Scale Drawings and Models
3. Dilation of Dimensions
4. Proportional Reasoning
5. Population Density
6. Mobiles
7. Patterns with Algebraic Expressions
8. Anthropometry
9. Planning, Budgets and Spreadsheets

Special Projects: Logic Puzzles, Sudoku, US President Inquiry

Required materials for class every day: Single subject spiral bound notebook (100+ pages), pencil w/ eraser, scientific calculator (suggested TI-30), ruler.