MATH 8 Year Long Plan 2023-2024

Unit Name	Concepts (Clusters as found in the Common Core State Standards)	Time Frame
The Number System (Modules 1-2)	● Know that there are numbers that are not rational, and approximate them by rational numbers	1st 9 weeks
Expressions and Equations (Modules 3, 4, and 6)	● Work with radicals and integer exponents ● Understand the connections between proportional relationships, lines and linear equations ● Analyze and solve linear equations and pairs of simultaneous linear equations	1st 9 weeks and 2nd 9 weeks
Functions (Module 5)	● Define, evaluate, and compare functions ● Use functions to model to model relationships between quantities	2nd 9 weeks
Geometry (Modules 7 - 10)	● Understand congruence and similarity using physical models, transparencies or geometry software ● Understand and apply the Pythagorean Theorem ● Solve real-world and mathematical problems involving volume of cylinders, cones and spheres	3rd 9 weeks 4th 9 weeks
Statistics and Probability (Module 11)	● Investigate patterns of association in bivariate data	4th 9 weeks