

MATH 8 Year Long Plan 2023-2024

<u>Unit Name</u>	<u>Concepts (Clusters as found in the Common Core State Standards)</u>	<u>Time Frame</u>
The Number System (Modules 1-2)	<ul style="list-style-type: none">• Know that there are numbers that are not rational, and approximate them by rational numbers	1 st 9 weeks
Expressions and Equations (Modules 3, 4, and 6)	<ul style="list-style-type: none">• 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	1 st 9 weeks and 2 nd 9 weeks
Functions (Module 5)	<ul style="list-style-type: none">• Define, evaluate, and compare functions• Use functions to model to model relationships between quantities	2 nd 9 weeks
Geometry (Modules 7 - 10)	<ul style="list-style-type: none">• 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	3 rd 9 weeks 4 th 9 weeks
Statistics and Probability (Module 11)	<ul style="list-style-type: none">• Investigate patterns of association in bivariate data	4 th 9 weeks