

## MATH 8 Year Long Plan 2022-2023

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<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"> <li>● Know that there are numbers that are not rational, and approximate them by rational numbers</li> </ul>	1 <sup>st</sup> 9 weeks
Expressions and Equations (Modules 3, 4, and 6)	<ul style="list-style-type: none"> <li>● Work with radicals and integer exponents</li> <li>● Understand the connections between proportional relationships, lines and linear equations</li> <li>● Analyze and solve linear equations and pairs of simultaneous linear equations</li> </ul>	1 <sup>st</sup> 9 weeks and 2 <sup>nd</sup> 9 weeks
Functions (Module 5)	<ul style="list-style-type: none"> <li>● Define, evaluate, and compare functions</li> <li>● Use functions to model to model relationships between quantities</li> </ul>	2 <sup>nd</sup> 9 weeks
Geometry (Modules 7 - 10)	<ul style="list-style-type: none"> <li>● Understand congruence and similarity using physical models, transparencies or geometry software</li> <li>● Understand and apply the Pythagorean Theorem</li> <li>● Solve real-world and mathematical problems involving volume of cylinders, cones and spheres</li> </ul>	3 <sup>rd</sup> 9 weeks 4 <sup>th</sup> 9 weeks
Statistics and Probability (Module 11)	<ul style="list-style-type: none"> <li>● Investigate patterns of association in bivariate data</li> </ul>	4 <sup>th</sup> 9 weeks