



## Maths Curriculum- Grade 8

QUARTER	TOPICS
QUARTER 1	<p>Real number, Integers and Fractions.</p> <p>Rational and Irrational Numbers: Understanding and operating with rational numbers, including fractions, decimals, and percents.</p> <p>Introducing irrational numbers such as square roots.</p> <p>Finding Cubes and cube rootsthrough conventional and vedic maths techniques.</p>
QUARTER 2	<p><b>Equations and Expressions:</b> Solving linear equations, simplifying algebraic expressions, and applying the distributive property. Functions: Introducing the concept of functions, graphing linear functions, and understanding slope and intercepts.</p> <p><b>Proportional Relationships:</b> Working with ratios, rates, and proportions, including solving proportion problems.</p>
QUARTER 3	<p><b>Geometric Transformations:</b> Recognizing and performing transformations, such as reflections, rotations, and translations, on geometric figures. Quadrilaterals and their properties</p> <p><b>Pythagorean Theorem:</b> Applying the Pythagorean theorem to find the length of sides in right triangles and solving related problems.</p> <p><b>Volume and Surface Area:</b> Calculating the volume and surface area of three-dimensional figures, including rectangular prisms, cylinders, and cones.</p>
QUARTER 4	<p><b>Statistics and Probability:</b> Analyzing data sets, including measures of central tendency and variability. Introducing concepts of probability and calculating probabilities of simple events.</p> <p><b>Exponents and Scientific Notation:</b> Understanding and operating with exponents, including simplifying expressions with exponents. Introducing scientific notation for expressing very large or small numbers.</p>

### Disclaimer

- \*\* 1. The curriculum is subjected to changes and upgradation as per the feedback received from our customers.
- 2. Project and activities will depend on the type of course and tier.
- 3. Moonpreneur reserves all the rights to update its curriculum at any given point in time.

