Maths Curriculum- Grade 6

QUARTER	TOPICS
QUARTER 1	**Percentages:** Percentage Error Percentage of Change Understanding Percentiles and Rankings Probability and Percentages **Ratios and Proportional Relationships:** Understanding ratios and using them to solve problems Finding equivalent ratios Solving proportions **Expressions and Equations:** Evaluating and simplifying expressions with variables Solving one-step and multi-step equations with rational coefficients Understanding the concept of variables and their use in mathematical expressions and equations
QUARTER 2	**Geometry:** Classifying and measuring angles Understanding and applying the properties of triangles and quadrilaterals Determining the volume of rectangular prisms and other three-dimensional shapes **Statistics and Probability:** Representing and interpreting data using measures of central tendency and variability Constructing and interpreting various types of graphs and charts Understanding and calculating probabilities **Triangle Inequalities:** Triangle Inequality Theorem Triangle Classification Exploring Side Lengths Real-World Applications:
QUARTER 3	**Surface Area and Volume:** Total Surface Area of a Cuboid Lateral Surface Area of a Cuboid Total Surface Area of a Cube Lateral Surface Area of a Cube Volume of a Cube and Cuboid **Expressions and Equations:** Writing, evaluating, and simplifying algebraic expressions Solving real-world problems involving equations and inequalities Representing and analyzing relationships using tables, graphs, and equations **Statistics and Probability:** Analyzing and interpreting data sets Calculating probabilities and making predictions Conducting statistical experiments and simulations
QUARTER 4	**Geometry:** Understanding and applying the concept of area and circumference of circles Identifying and classifying polygons and circles Applying transformations (translations, reflections, rotations) to shapes **Data Analysis and Probability:** Summarizing and representing data using various statistical measures Making inferences and drawing conclusions based on data Understanding basic concepts of probability and calculating probabilities in different scenarios **Problem Solving and Reasoning:** Applying problem-solving strategies to a variety of mathematical situations Using critical thinking skills to solve complex problems Communicating mathematical reasoning and justifying solutions

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.