

# MATHEMATICS

**Can we find the equation of a graph?  
How do we transform shapes?  
What are statistical diagrams?**

- Drawing and interpreting statistical diagrams
- Finding unknown angles
- Plotting graphs and finding equations
- Transforming shapes

**How can we solve inequalities?  
Can fractions involve algebra?**

- Fractions and recurring decimals
- Algebraic fractions
- Fractions review
- Double brackets
- Linear inequalities

**How can we use a Venn Diagram?  
How can we calculate surface area and volume of objects?**

- Volume
- Surface area
- Nets
- Factors, multiples and primes
- Venn diagrams

**How can we round numbers? Why is area important? How can we write large or small numbers?**

- Standard form and ordinary numbers
- Co-ordinates and midpoints
- Area and units
- Area and circumference
- Standard form and ordinary numbers

**How can we form a rule for a sequence? How are scale diagrams used in real life?**

- Scale diagrams
- Ratio
- Position-to-term rules
- Term-to-term rules
- Project on Finance

**How are percentages and money used in the wider world?**

- Solving equations
- Index Laws
- Calculating with money
- Percentage change
- Percentages of amounts

**YEAR 8**