

Year 7

**Number 1** – Half Term One

**Baseline assessment – Arithmetic test KS2**

Use all **four operations**

Use **positive and negative integers** with all four operations

Understand and apply the use of **BIDMAS** in calculations

Recognise and state **factors, multiples and primes**

Evaluate **indices**

Understand **place value**

Find a **percentage** of an amount

**Gorse Test 1- Number**

**Mastery week** – Opportunity to recover topics as required.

**Algebra 1** – Half Term Two

Perform **Substitution** into formula

You can continue and describe **sequences**

**Simplify** expressions using all 4 operations

**Expand** brackets

**Factorise** into brackets

**Solve** linear equations

**Form** algebraic expressions

**Iterative Test 1**

**Geometry 1** – Half Term Three

Understand **properties** of shapes and correct **notation**

Understand, explain and reason with basic **angle rules**

Find the **area** of simple and compound shapes

Find the **perimeter** of simple and compound shapes

Find the **volume** of prisms

Find the **surface area** of prisms

**Gorse Test 3 – Geometry, Algebra and Number**

**Mastery week** – Opportunity to recover topics as required.

**Probability and Statistics 1** – Half Term Four

Understand the different **types of data**

**Represent** data in diagrams

**Interpret** and **compare** data from diagrams

Find all **averages** from a data set

Find basic **probabilities** using decimal and fractions

**Iterative Test 2**

**Number 2** – Half Term Five

Find **equivalence** in fractions

Change fractions from **mixed number** to **improper fractions**

Change **fractions** to **decimals** to **percentages**

Find **fractions of an amount**

Calculate with fractions using all **four operations**

Effectively **use a calculator**

**Round values** to decimal places and significant figures

**Estimate** solutions to calculations

**Mastery week** – Opportunity to recover topics as required.

**Ratio and proportion 1** – Half Term Six

Use **ratio** to solve problems

Use **proportion** to solve problems with money

Plot **real life graphs** of **conversion**

Perform **conversions** with **currencies** and all required units, such as time, length and mass.

**Gorse Final Assessment**