

Quality of Education: Curriculum is planned and sequenced so that new **knowledge** and **skills** build on what has been taught before and towards its clearly defined end points.

| SUBJECT: Foundation Number | | CURRICULUM PROGRESSION PATHWAYS | | CL: Miss Z. Bradshaw and Miss A. Hazell | |
|---|---|---|---|---|--|
| KS3 (Level 1) | KS4 (Level 2) | KS5 (Level 3) | Further Education and training | Careers | |
| → | | → | | → | |
| <p>Calculations</p> <ul style="list-style-type: none"> Explore different methods of addition, subtraction, multiplication and division of integers and decimals Use BIDMAS <p>Place Value</p> <ul style="list-style-type: none"> Read and write numbers in figures and words and use place value to order decimals Multiply and divide by powers of 10 <p>Types of Number</p> <ul style="list-style-type: none"> Learn types of numbers including factors, multiples, prime numbers, square numbers, cube numbers and square/cube roots <p>Estimation</p> <ul style="list-style-type: none"> Learn approximation skills by rounding to the nearest 10, 100 and 1000 as well as to the nearest whole number and 1 decimal place. <p>Fractions</p> <ul style="list-style-type: none"> Order fractions, describe proportions of shapes with fractions, simplify fractions, find equivalent fractions and convert between mixed and improper fractions. Find fractions of an amount and convert between Learn how add and subtract proper fractions <p>Percentages</p> <ul style="list-style-type: none"> Write percentages as fractions and decimals Calculate percentage of a quantity | <p>Calculations</p> <ul style="list-style-type: none"> Use BIDMAS with positive and negative integers and how to multiply and divide decimals <p>Place Value</p> <ul style="list-style-type: none"> Use place value to order decimal measures Write numbers in standard form for large and small number <p>Types of Number</p> <ul style="list-style-type: none"> find the HCF and LCM of two numbers, recognise powers of 2, 3, 4 and 5 and write numbers as products of their prime factors. learn how to use venn diagrams to find HCF and LCM from prime factorization Know and use laws of indices <p>Estimation</p> <ul style="list-style-type: none"> Round to decimal places and significant figures Estimate answers by rounding to 1 significant figure <p>Fractions</p> <ul style="list-style-type: none"> Add and subtract mixed numbers Multiply whole numbers, fractions and mixed numbers, divide a whole number by a fraction and divide a fraction by a whole number or a fraction. Work interchangeably with fractions and percentages <p>Percentages</p> <ul style="list-style-type: none"> Calculate simple and compound interest Calculate percentage increase and decrease and percentage change. | <p>Core Maths Level 3</p> <p>Number</p> <p>Personal Finance</p> <ul style="list-style-type: none"> budgeting, income tax, debt management, mortgage, exchange rates and inflations <p>Modeling and Estimation</p> <ul style="list-style-type: none"> Standard form Estimation techniques | <ul style="list-style-type: none"> Natural science Engineering Psychology Business-related courses Sports Social sciences Natural science Engineering | <ul style="list-style-type: none"> Natural science Engineering Psychology Business-related courses Sports Social sciences Natural science Engineering | |