Subject: Maths

Year Group: Yr 7 - Foundation

Week beginning	Subject Topic	Key Learning points/big questions	Independent/Home learning	Linked Assessment	Resources
7/9	Analysing and displaying data.	1. Be able to draw a frequency table, bar chart and pictogram. 2. Be able to interpret a bar chart and pictogram.	Hegarty Maths 425 Bar charts and vertical line graphs. 426 Histograms.		HM Videos and Quizzes
14/9	Pie charts and time series.	1. Be able to construct a pie chart using either angles or percentages. 2. Be able to draw and interpret a time series.	427- 429 Pie charts. 450- 452 Time series charts.		HM Videos and Quizzes
21/9	Mean, median, mode and range.	1. Be able to calculate the three types of average. 2. Know when to use each type of average. 3. Be able to compare populations using average and spread.	Hegarty Maths 404 Mode 405- 408 Mean 409 Median 410 Range	End of unit assessment. Quizzes and feedback on Hegarty Maths	HM Videos and Quizzes
28/9	Powers and roots.	1. Use positive integer powers and associated real roots (square, cube and higher), recognise powers of 2, 3, 4, 5; estimate powers and roots of any given positive number.	790- 795 Powers 101 Square and cube roots		HM Videos and Quizzes
5/10	Primes and factors.	1. Use the concepts and vocabulary of prime numbers, factors (divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple, prime factorisation, including using product	32 HCF 34- 35 LCM		

		notation and the unique factorisation theorem.			
12/10	Roots, indices and estimation.	1. Calculate with roots, and with integer indices. 2. Estimate answers; check calculations using approximation and estimation, including answers obtained using technology.	Hegarty Maths 131- Estimating complex calculations 17- Rounding to nearest 10,100,1000 56- Rounding decimals		HM Videos and Quizzes
19/10	Rounding.	Round numbers and measures to an appropriate degree of accuracy (e.g. to a specified number of decimal places or significant figures); use inequality notation to specify simple error intervals due to truncation or rounding.			HM Videos and Quizzes
Half term					