

## Year 10 Nurture Scheme of learning 2023-2024 - Term 3

*Stretch key learning in italics*

Topic	Key learning	Maths Watch Clip No	☹	☺	😊
3D Shapes	Recognise and sketch types of 3d shapes	<b>43</b>			
	Match the 3d shape to the net	<b>44</b>			
	Know properties of 3d shapes (faces, edges and vertices)	<b>43</b>			
	<i>Find the volume of simple prisms and cylinders</i>	<b>Cuboid: 115 Prism: 119</b>			
Powers & Roots	Use the correct mathematical language- square, square root, cube etc	<b>5, 29</b>			
	Recall integer square numbers from $2 \times 2$ to $15 \times 15$	<b>81</b>			
	Use index notation and apply index laws	<b>82, 131</b>			
	<i>Finding values of negative and zero indices.</i>	<b>154</b>			
Linear Graphs	Plot coordinates in all 4 quadrants	<b>8</b>			
	Construct linear graphs using a table	<b>96</b>			
	Construct graphs of the form $x=a$ and $y=b$	<b>96</b>			
	<i>Find the midpoint of a line segment</i>				
<b>May half term</b>					
Collecting and Interpreting Data	Design and use a tally chart for discrete and continuous data	<b>15</b>			
	Find the mean, mode, median and range from a set of data	<b>62</b>			
	Design and use a two way table	<b>61</b>			
	Name and describe different types of data	<b>63</b>			
	<i>Find the mean from a frequency table</i>	<b>65, 130b</b>			
<b>Revision</b>					
<b>Mocks (2 weeks)</b>					
FDP	Order fractions using common denominators	<b>70</b>			
	Convert a percentage to a fraction and a decimal (vice versa)	<b>85</b>			
	Convert a fraction into a decimal	<b>84</b>			
	<i>Order fractions, decimals and percentages</i>	<b>85</b>			
Probability	Use a probability scale 0 to 1	<b>14</b>			
	Find the probabilities of equally likely outcomes	<b>59</b>			
	List outcomes for 2 independent events	<b>58</b>			
	Use a two way table or a sample space diagram to find outcomes	<b>126</b>			
	<i>Find relative probabilities</i>	<b>125</b>			
<b>Summer Holidays</b>					