



**Subject – Green Zone Maths**

Mapping to show evidence of Diversity, Careers, British Values, SMSC (Spiritual, Moral, Social & Culture development), Literacy, Numeracy and Reading in our curriculum area.

<b>Key Stage</b>	<b>Diversity</b>	<b>Careers</b>	<b>British Values</b>	<b>SMSC</b>	<b>Literacy</b>	<b>Numeracy</b>	<b>Reading</b>
<b>KS3 Autumn 1</b>	<b>Number and the number system:</b> Pupils are encouraged to use the method they find best when performing calculations. This is prominent in mental maths.	<b>Number and the number system:</b> pupils develop their understanding of how the number system works. This will aid them in any form of employment that requires numbers.	<b>Democracy:</b> respecting other people's choices and opinions in shared activities/discussions.	<b>Spiritual:</b> Discussing how numbers are viewed around the world. Lucky numbers in different countries and the interpretation of number sequences for example.	Pupils work is marked using the school marking policy. This includes correcting grammatical errors.		Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.
<b>KS3 Autumn 2</b>	<b>Creativity:</b> the ability to express your own personality when relevant in tasks. For example, choice of colour in charts.	<b>Checking, approximating and estimating:</b> estimating is a skill that can be used across many professions. When giving a quote, for example.	<b>The Rule of Law:</b> pupils are expected to follow school rules and processes. Understanding the consequences of not following the rules.	<b>Moral:</b> Understanding the consequences of actions, for example, If you perform a particular action to one number, will the same outcome apply to other numbers? Is it always the case? 'Sometimes, always, never' statements	Pupils work is marked using the school marking policy. This includes correcting grammatical errors.		Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.



<p><b>KS3 Spring 1</b></p>		<p><b>Investigating properties of shapes:</b> shapes are everywhere, including in various forms of employment.</p>	<p><b>Mutual respect:</b> working collaboratively with tasks and projects. Taking turns if needed and sharing equipment.</p>	<p><b>Social:</b> working as a team to achieve a goal. Develop resilience when somebody wrongs you. Discussions in mathematical problems, 'Bill thinks this, Sandra thinks this, who is right?'</p>	<p>Pupils work is marked using the school marking policy. This includes correcting grammatical errors.</p>		<p>Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.</p>
<p><b>KS3 Spring 2</b></p>		<p><b>Measuring space:</b> pupils develop their understanding of different forms of measurement and practice this with various objects and spaces.</p>	<p><b>Individual liberty:</b> the right to make your own choices and ensure you feel safe. The right to an opinion which can be expressed in work where relevant.</p>	<p><b>Cultural:</b> Respecting everyone's opinions. Understanding individual preferences and being mindful. When explaining why they got a question wrong for example.</p>	<p>Pupils work is marked using the school marking policy. This includes correcting grammatical errors.</p>		<p>Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.</p>
<p><b>KS3 Summer 1</b></p>		<p><b>Mathematical movement:</b> this topic focuses on co-ordinates and geometrical problems. Skills transferable to many professions.</p>	<p><b>Tolerance of those with different faiths:</b> opportunities to discuss different religions or cultures. Discuss differences around the world when completing mathematical problems.</p>		<p>Pupils work is marked using the school marking policy. This includes correcting grammatical errors.</p>		<p>Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.</p>



<p><b>KS3 Summer 2</b></p>		<p><b>Representing Data:</b> pupils will look at various ways to record and present data. Including the best format for different types of data. This includes the difference between independent and dependent variables.</p>			<p>Pupils work is marked using the school marking policy. This includes correcting grammatical errors.</p>		<p>Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.</p>
<p><b>KS4 Autumn 1</b></p>	<p><b>Integers:</b> Pupils are encouraged to use the method they find best when performing calculations. This is prominent in mental maths.</p>	<p><b>Integers:</b> various functional and real-life questioning used to consolidate learning and develop problem solving.</p>	<p><b>Integers:</b> Pupils participate in group activities in which respect and tolerance are promoted.</p>	<p><b>Spiritual:</b> Discussing how numbers are viewed around the world. Lucky numbers in different countries and the interpretation of number sequences for example.</p>	<p>Pupils work is marked using the school marking policy. This includes correcting grammatical errors.</p>		<p>Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.</p>
<p><b>KS4 Autumn 2</b></p>	<p><b>Creativity:</b> the ability to express your own personality when relevant in tasks. For example, choice of colour in charts.</p>	<p><b>Angles:</b> pupils look at bearings during this topic. The skill of using bearings is transferable to many career paths.</p>	<p><b>Democracy:</b> respecting other people's choices and opinions in shared activities/discussions.</p>	<p><b>Moral:</b> Understanding the consequences of actions, for example, if you perform a particular action to one number, will the same</p>	<p>Pupils work is marked using the school marking policy. This includes correcting grammatical errors.</p>		<p>Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.</p>



				outcome apply to other numbers? Is it always the case? 'Sometimes, always, never' statements.		
<b>KS4 Spring 1</b>		<b>Percentages:</b> pupils come across problems in which they have to work out percentage increase/decrease. They also work out percentages of an amount. Used in many sectors such as retail.	<b>The Rule of Law:</b> pupils are expected to follow school rules and processes. Understanding the consequences of not following the rules.	<b>Social:</b> working as a team to achieve a goal. Develop resilience when somebody wrongs you. Discussions in mathematical problems, 'Bill thinks this, Sandra thinks this, who is right?'	Pupils work is marked using the school marking policy. This includes correcting grammatical errors.	Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.
<b>KS4 Spring 2</b>		<b>Measures:</b> pupils use various formulae and conversions to solve problems around measurements.	<b>Mutual respect:</b> working collaboratively with tasks and projects. Taking turns if needed and sharing equipment.	<b>Cultural:</b> Respecting everyone's opinions. Understanding individual preferences and being mindful. When explaining why they got a question wrong for example.	Pupils work is marked using the school marking policy. This includes correcting grammatical errors.	Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.
<b>KS4 Summer 1</b>		<b>Processing and representing data:</b> pupils develop skills in	<b>Individual liberty:</b> the right to make your own choices and ensure you feel		Pupils work is marked using the school marking policy.	Pupils are asked to read questions off the board and



		reading, recording and presenting data. Pupils will also look at data analysis (averages).	safe. The right to an opinion which can be expressed in work where relevant.		This includes correcting grammatical errors.		from text books. This is done 1:1 and also out aloud in class.
<b>KS4 Summer 2</b>		<b>Trigonometry:</b> the ability to calculate missing angles and sides in a right-angled triangle. These skills would help engineers.	<b>Tolerance of those with different faiths:</b> opportunities to discuss different religions or cultures. Discuss differences around the world when completing mathematical problems.		Pupils work is marked using the school marking policy. This includes correcting grammatical errors.		Pupils are asked to read questions off the board and from text books. This is done 1:1 and also out aloud in class.