MATHS

Paul announces that the plan of God is to unite all things in Christ.

	Topics	Skills
Human Dignity (treating all people with respect)	**Topics** Percentages Venn diagrams Area e.g. population density vs living standards	**Skills** In lessons, respect for all students' contributions is modelled and reinforced. Teachers use questioning following incorrect answers or misconceptions to scaffold steps towards the correct solution to avoid embarrassment and promote progress for all. It is modelled that making mistakes provide learning opportunities and should be encouraged.
Community and Participation (teamwork)	**Topics** Pi Day (13th March)	**Skills** Baking using metric/imperial measures, proportion, time Bake sale, raising money during Lent Reciting decimal places to pi All students are expected and encouraged to participate in every lesson. The use of mini whiteboards regularly provides students the opportunities to engage with learning at a low stakes level, and encourages all students to 'give it a go'.
Stewardship (Care for Creation)	**Topics** Fibonacci Day (23rd November) The Fibonacci sequence is taught to pupils as early as Year 7	**Skills** Generating a Fibonacci type sequence Recognising this sequence in Nature Teachers encourage students to take responsibility for their learning, encouraging scholarship and sharing of knowledge to support individuals' successful progression across key stages and into their adult lives.
Peace & Reconciliation (calm and forgiving approaches)	**Topics** Time Series e.g. track proportion of children in education vs developing country Scatter graphs e.g. as more investment is made, living conditions improve	**Skills** Teach the tolerance of different methods and varying strategies to come to the same solution.
Solidarity (unity and togetherness)	**Topics** Money e.g understanding TAX and budgeting so that pupils understand how easy it is to fall into financial insecurity Percentages e.g. high interest rates, payday loans... Pythagoras' Theorem e.g solve problems involving navigation	**Skills** Using Bar modelling to solve various problems (Singapore approach) Students are encouraged to work together to support one another to make progress. Chances are offered to work collaboratively towards a solution, sharing and evaluating different approaches and strategies.
Option for the poor (Ending injustice)	**Topics** Place Value e.g. National debt figures Ratio & Proportion e.g. social mobility Graphs e.g. farming and eliminating hunger Averages e.g. mean wages of different nations	**Skills** Share amounts by ratios Plot graphs on Cartesian planes All students are enabled to participate in the maths lessons through the lending of equipment or provision of equipment for those without. No student is left behind because of their home-life or financial situation. All students are invited to attend intervention and can be provided with resources as a when they are needed.

"Paul announces that the plan of God is to unite all things in Christ.

Ephesians 1:10