














# VALUES AND VIRTUES IN MATHS

VALUES	PROGRESS	AN EXAMPLE
Democracy		When teaching proportional representation, we use voting in the General Election and understanding the resulting make up of the House of Commons to help learn about ratio, percentages and proportion.
Rule of Law		When teaching percentages, taxes are used to model a real life application of the topic. Also, how money is spent by the government.
Individual Liberty		Students can learn about numerical constraints on their behaviours, such as speed limits or tax rates.
Mutual Respect		Often in Maths, there is more than one way to solve a problem, having a respect for other peoples opinions and ideas is necessary.
Respect for those of different faiths and beliefs		Within Maths, we work with concepts conceived by people of different faiths and creeds. We explain the provenance of these when introducing them and respect the work that went into their discovery. We also cover numerical analysis on the dignity of workers for different companies.
VIRTUES	PROGRESS	AN EXAMPLE
Faith		We conduct prayers at the end of period 5 and partake in the Angelus prayer.
Hope		Maths gives us hope that every problem has a solution. This can be transferred to life's problems as well.
Love and Charity		When teaching scatter graphs, we conduct an investigation into the correlation of love and happiness. Then love and charity giving and finally, charity giving and happiness.
Temperance		Understanding that moderation is needed to use the resources given to us on earth. Looking at the trends and numerical patterns of declining ecological values.
Justice		Whilst learning about the dignity of workers, we look at the implications of cheap labour and whether it is financially required for businesses to succeed.
Solidarity		There are several team building games we can play within lessons to develop solidarity, through net building, the World Trade Game and Tarsia puzzles.
Wonder		Teaching of the Golden Ratio and its impact throughout nature. Showing of the movie Hidden Figures.
Courage		Our end of term challenge, Lobster Pots encourages responsible risk taking and daring financial decisions.