

**Cultural Capital
Development
Opportunities**

**Department:
Mathematics**



	Personal development	Social Development	Physical Development	Spiritual Development	Moral Development	Cultural development
KS3	Growth mindset Resilience Finance – working with decimals and money Independent learning - Hegarty Time	Discussion Recipes Enterprise days Time keeping Money Thinking skills	Using a ruler, protractor and pair of compasses Collecting data Transformations Using a calculator Circles	Concept of infinity Mandalas – rotational symmetry Fibonacci Proof	Probability - gambling	Ratio Currency Rotational symmetry - mandala
KS4	Resilience Finance – working with decimals and money Percentages VAT, Tax, interest Bills Best buys Independent learning - Hegarty Ratio and proportion Time	Interest rates VAT Savings Bills Ration and proportion Money Finance Time keeping Thinking skills	Bearings – use of protractor and ruler Pie charts Constructions Loci Collecting data Pythagoras Trigonometry Surface area and volume Plans and elevations Statistical diagrams Compound measures	Fibonacci sequence Golden ratio Concept of infinity Proof	Pay day loans Probability - gambling	Exchange rates Ratio Sampling Scatter Diagrams Comparing distributions