

Inset Day – Promoting Positive British Values

Curriculum Subject: ----- Maths -----

<p>During Maths lessons pupils are taught the history of Mathematicians and different cultures that have had an input for today's Maths</p>			
Number	Algebra	Geometry and Measure	Data
<ul style="list-style-type: none"> ● Place value – Mohammed Al – Khwarizmi ● Numerals – Hindu Arabic ● Algorithm to find prime numbers – Sieve of Eratosthenes ● Prime numbers - Euclid ● Negative numbers - Brahmagupta 	<ul style="list-style-type: none"> ● Iteration Language – convention ● Sequences – Fibonacci ● Mapping – Leonhard Euler ● Father of Algebra – Diophantus ● Numerical approaches - Babylonians 	<ul style="list-style-type: none"> ● Symmetry - Arabic Tiles – Islamic patterns ● Tessellations - Escher ● Transformation – Escher ● Circles – Formulas ● Geometry shapes – Euclid ● Shape - Pythagorean 	<ul style="list-style-type: none"> ● Olympic Rings ● Probability - Murphy's Law ● Pie charts - William Playfair ● Coordinates system developed by Rene Descartes
<p><u>Topic base Opportunities</u></p> <p><u>Key Stage 2</u> Varies investigations which involved pupils working together in term and collecting information.</p> <ul style="list-style-type: none"> ● Lunar Park ● Murder Mystery ● Alton Towers 		<p><u>Key Stage 3</u> Varies topics which involved pupils working together in term related to cross curriculum activities.</p> <ul style="list-style-type: none"> ● Stafford Castle ● France Week ● Maths in Nature ● Math is beautiful 	
<p><u>Additional Opportunities</u></p> <ul style="list-style-type: none"> ● PLTS day: Team Activities throughout year groups: Maths challenges, quiz, construction ● Exploiting sporting events – Olympic Games, Football: probability, positions ● Internal and External challenges: UKMT Challenge, NSPCC Day, Transition Quiz, World Education Day 			
<p><u>General Ethos and Methodology</u></p> <ul style="list-style-type: none"> ● Group work – paired work, table groups, feedback in turns (Claire Gadsby), collaborative group work, taking turns, voting ● Maths Language discussions – promoting debates into understanding the Maths language for new topics 			