Home-School Learning Collaboration – Mathematics

ERDINGTON ACADEMY

Topics in this cycle:	Taught:	Year Group: 7

Key knowledge/concepts to be learnt ('Tell me about....')	Websites/blogs/YouTube links and further reading to deepen and consolidate learning

Developing number sense:
- Mental calculations for integers
- Mental calculations for decimals/fractions
- Estimation
- Number facts to derive other facts

https://vimeo.com/547567136
https://vimeo.com/547851767
https://vimeo.com/413554428
https://vimeo.com/549380677

Sets and probability:
- Set notation and Venn diagrams
- Intersection of sets
- Union of sets
- Probability scale and language
- Sample spaces
- Probability of a single event/sum of probabilities as 1

https://vimeo.com/560341984
https://vimeo.com/560341984
https://vimeo.com/560342194
https://vimeo.com/425834708
https://vimeo.com/483973160
https://vimeo.com/562798744

Prime numbers and proof:
- Factors and multiples
- Prime numbers
- Square and triangular numbers
- Common factors and HCF
- Common multiples and LCM
- Product of primes
- HCF/LCM from Venn diagrams

https://vimeo.com/461311096
https://vimeo.com/565631096
https://vimeo.com/566094932
https://vimeo.com/436513630

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Key Vocabulary and Definitions To Be Learnt		What Will The Assessment Look Like?
Associative law	Means that we can group numbers, in some calculations, in different ways and the answer will still be the same	
Commutative law	Means that the order, in which we calculate addition or multiplication of two numbers, does not matter	
Partition	Splitting numbers to aid calculations	
Factor	A number that divides another number without a remainder	
Multiple	A product of two integers (two whole numbers)	
Place value	The value of a digit in a number	**Family Learning Opportunities**
Quotient	A result of division	You may want to challenge yourself and look at probabilities from Venn Diagrams: https://vimeo.com/483972889
Product	A result of multiplication	
Estimate	to give an approximate value of what it is	
Overestimate	When an estimated answer is higher than the accurate answer	
Underestimate	When an estimated answer is lower than the accurate answer	