Aughton St Michael's





Oct 2022

What we do works!



KS1 data ARE- 76% GD- 35% **KS2 Data** ARE- 87% NA 71% GD- 43% NA 22%

Times tables 62% NA 30%

ARE= Age related expectations GD= Greater Depth NA= National Average **Overall curriculum INTENT**

To create independent and resilient learners who enquire into the world around them.

Maths curriculum INTENT

To create independent and resilient mathematicians who can use reasoning to enquire into problems and use Maths to better understand the world around them.

I've parked my car at the Trafford Centre and can't work out the number of the space I've parked in. Can you help me out?



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Our Curriculum

Within our curriculum we ensure that we cover all the objectives set out in the <u>National Curriculum 2014</u>.(Mastery)

To help ensure this we:

- Follow the Lancashire Maths Planning documentation from Lancashire Mathematics Centre.
- Spiral Curriculum

Bruner's Spiral Curriculum

 The student revisits a topic, theme or subject

- (2) The complexity of the topic or theme increases with each revisit
- (3) New learning has a relationship with old learning and is put in context with the old information.



	Home	Classes	Our School	Parents	Curriculum	Policies	Contact	
					Curriculum Intent			
Maths					Maths			
					English			
Within our curriculum we ensure that we cover all the objectives set out in the ${\sf N}$					Books to Read Before You Leave Aughton St Michael's			
To help ensure this we:					Religious Education			
Follow the Lancashire Maths Planning documentation from Lancashire Mathematic on the internet. If you wish to see a copy please make an appointment with the s					Other Subjects			e displayed
Mathematics Programmes of Study					Assessment			
Files to Download					Maths Workshop Resources			
Addition Methods Summary					We Love Reading			
Calculation Policy: Addition					Enhancement Day	'S		
Calculation	n Policy: Mult	tiplication						
Calculation	Doliova Suba	traction						

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What does this mean on a day-to-day basis?

Avoiding a procedural approach to teaching maths.

Mastering mathematical understanding



The Concrete, Pictorial, Abstract approach (CPA) is a highly effective approach to teaching that develops a deep and sustainable understanding of maths in pupils.

Maths baskets are used from Reception to Year 6



What does this mean on a day-to-day basis?

> Reasoning is seen daily throughout our maths lessons.

For example the following question could be shown in the following ways



Jack thinks of two 2-digit numbers and add them together his answer is 203. Explain how you know he has made a mistake.

- The biggest 2-digit number is 99.
- 99 + 99 = 198
- So the largest possible answer he could get is 198.
- His answer is 203 which is greater than 198, so he is incorrect

Look at the following statement and decide if it is *always* true, *sometimes* true or *never* true

If I add 2 numbers the answer always gets bigger

If I add 2 numbers the answer always gets bigger

Sometimes

4 + 2 = 6 so it's got bigger.
4 + 0 = 4 so it's stayed the same.
4 + -1 = 3 so it's got smaller.

Today's Workshops

- KS1 Addition and subtraction Miss Harrison methods.
- Multiplication: Grid Method
- Division written methods
- Fractions

- Miss. Stone
- Mr Quirk
- Mrs Wood

Maths drop ins

Tuesday 4 th October	9:15am	Year 5
Wednesday 5 th October	9:15am	Year 4
Wednesday 5 th October	11:00am	Year 1
Thursday 6 th October	9:15am	Year 2
Thursday 6 th October	11:00am	Year 3
Friday 7 th October	9:15am	EYFS
Friday 7 th October	11:00am	Year 6