

What does 'Maths' look like at Adswood Primary?



1. Curriculum mapping



Our curriculum has been created for our learners. We use a Concrete, Pictorial and Abstract (CPA) approach in maths. Learning follows a clear sequence in each year group and throughout school. White Rose Maths Scheme is used to support teaching and learning. We have 'mapped out' coverage across the school to ensure objectives are revisited often and learning is consolidated.

Quality First Teaching in all year groups, a range of questioning strategies , 5 mastery big ideas and the use of weekly SODA, enhance opportunities to develop maths problem solving and reasoning

Making 100 Each jar needs to contain 100 objects. How many more will you need to add to each container?



| Maths yearly overview. | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | | | adapted the White Rose Calculation policy re that the progression of maths is clear |
|------------------------|---|---|--|--|---|--|--|---|
| Autumn Term | Getting to know you. Just like me. It's me 123! Light and dark. | Place value-within 10. Addition and subtraction — within 10. Geometry-s hape. | Place value. Addition and subtraction. Geometry-shape. | Place value. Addition and subtraction. Multiplication and division A. | subtractio | thi | rough | out the year and key stages and learners previous knowledge is built on. |
| | | | | | | | nt- converting time. | |
| Spring Term | Alive in 5! Growing in 6,7,8. Building 9&10. | Place value - within 20. Addition and subtraction - within 20. Place value - within 50. Length and height. Mass and | n and division. • Measureme nt- length and height. • Measureme nt- mass, | Multiplication and division 8. Measurement-length and perimeter. Fractions A. Measurement — mass | Multiplication and division B. Length and perimeter. Fractions. Decimals A. | Multiplication B. Fractions B. Decimals and percentages. Perimeter and area. Statistics. | Ratio. Algebra, Decimals. Fractions. Measureme nt- Area, perimeter and volume. Statistics. | |
| White Rose Maths | | volume. | capacity and temperature | and capacity. | | | | |

Calculation Policy Addition and Subtraction #MathsEveryoneCan

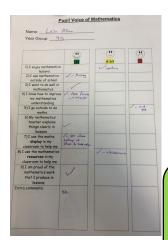




| | The state of the s | | | | | | | | |
|------------------------|--|--|---|---|--|---|---|--|--|
| Maths yearly overview. | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | | |
| Summer Term | To 20 and beyond. First, then, now. Find my pattern. On the move. | Multiplicati on and division. Fractions. Geometry— position and direction. Place value-within 100. Measureme nt-money. Time. | Fractions, Measureme nt-time, Statistics, Geometry-p osition and direction. | Fractions B. Measureme nt- money. Measureme nt-time. Geometry-s hape. Statistics. | Decimals B Measureme nt – money. Measureme nt – time. Geometry- shape. Statistics. Geometry- position and direction. | Geometry- shape. Geometry- position and direction. Decimals. Negative numbers. Converting units. Measureme nt – volume. | Geometry- shape. Geometry- potion and direction. The med projections, consolidatio n and problem solving. | | |

Our maths lessons are planned from our yearly overviews which allow us to revisit each topic at least once. For instance, as shown in the year 4 curriculum overview they revisit place value 3 times throughout the year. Our learners need to consolidate learning to ensure knowledge is retained.

2. Learner voice



We discuss with learners what maths learning looks like in their classroom. We want all our learners to have a voice and to be heard. We use learner voice to impact on the way we teach maths in our school. For those learners who struggle with maths, we want to find out how they would like us to help them to make progress and enjoy their learning.

Leaners voice informs staff that learners are enjoying their maths lessons and are engaged.



3. Adaptive Teaching



At Adswood Primary the teaching of Maths is inclusive through quality first teaching and adaptive teaching. We are following the mastery approach. Provision for learners is age appropriate and follows the CPA (concrete, pictorial, abstract) approach. We use the NASENCO handbook to assist learning while our SEN Support plans outline specific targets for our learners with additional needs. All learners at Adswood complete a 'One Page Profile' to let their staff teams know how they learn best and what support they might need.

In addition we offer support through:

Multisensory approaches to learning Use of iPads (videoed) Friday consolidation/pre-teaching for the following week.

Friday group with learners still unsure on their learning from that week. Speech and language (SALT) Learning Support Service (LSS) Word Aware (Vocabulary)

KS2

4. Learning environment

EYFS



5. Opportunities to celebrate Maths.

The school is proactive in attending competitions to promote maths.

It starts in November with Maths week England. We take part in the competitions online – such a Mathletics. We also aim to explore Maths through stories this week. In February we take part in the NSPCC number day in

which all classes
are asked to choose
one competition to enter online.
Throughout the year we take part in
Timestable Rockstar battles
between classes and year groups.





Number





Every year as a school we take part in National Number Day. This encourages learners to focus on Maths for a whole day exploring maths in all different lessons through various activities.

We are competing in the 'Times Table Rock Stars' competition against 2000 other schools. This means the learners need to answer as many as possible questions correctly within a week to score points!

6. Cross curricular Maths.

We have had exciting opportunities where maths learning out of school is enhanced. Examples include: Cook for life, Local Walks and theme weeks.





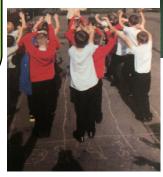
We also use maths throughout the curriculum we incorporate it into our Geography destinations, timelines, Science -statistics, P.E - measuring, counting. EFYS even display maths through snack time. We also aim to help with their use motor skills united within maths.





7. Learning beyond the classroom

Where possible, we aim to lift
Maths off the page and bring it to
life for our learners. This begins in
EYFS with maths outdoors, maths
during snack time e.g. counting one
more one less with their yogurts and
in the willow garden.





We introduced the mastery CPA approach in order for learners to visually see maths.

All learners are provided with maths challenges in their home learning to take home.

Parents/Carers are encouraged to communicate with the staff team about how the learners are attempting their maths challenges.

8. Challenges to deepen learning

Our school vision, 'Enjoy. Believe. Achieve' is evident through our additional challenges for learners. Some set verbally as a result of daily formative assessment, others available through 'Challenge' areas within the classroom, we enjoy seeing our learners challenge themselves to achieve more.

Each half term, learners are set 'Home Learning Challenges' aimed to deepen learning. These challenges may be completed independently or with support from someone outside of school.



Within the EYFS classrooms we have 'Challenge areas' We enjoy seeing our learners challenge themselves. Challenge areas often link to maths in everyday life. We have introduced 'APE' KS1 and KS2 this is when children have to 'Answer it, Prove it and Explain it' to deepen their understanding of the question.

Year 6 Home learning Challenges

Explain it



Prove it

calculations or in another way

Answer

it

9. Self- Assessment

Where possible, we aim to allow learners to self-assess their own work in order for them to see where they have made errors and self correct them. This is displayed in our marking and feedback policy and will be labelled in learners books as SA.

Staff will monitor self-assessment in books.



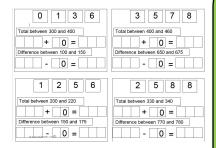


| I | Independent learning | | | | |
|--------|---|--|--|--|--|
| TS | Teacher supported learning | | | | |
| ٧ | Verbal feedback | | | | |
| SA | Self-assessment | | | | |
| PA | Peer-assessment | | | | |
| Ø | Zero Tolerance targets need to be checked | | | | |
| Green | Learning objective met/correct | | | | |
| Orange | Working towards meeting learning objective | | | | |
| Pink | Learning objective not met/incorrect | | | | |



In the Maths area we have 'help yourself' baskets. These allow learners to take concrete resources to aid their learning. This teaches the children to understand what helps them learn.

10. Staff CPD



As a subject lead I attend courses led by the LA, cluster and externally. Feedback from courses is delivered to staff. An ongoing CPD programme for maths is in place,
A group of teaching assistants have taken part in the North West one Maths Hub TA Maths specialist course, this gave them strategies to use during interventions.



In order to provide staff with CPD we have joined the North West Maths Hub. This has given staff the opportunities to take part in CPD in different areas of Maths from Number work to pedagogy of Maths.

We invited a speech and language specialist to host a staff meeting to help us with learners vocab this is not only needed in English, but a necessity in maths. This is in its infancy. Following the visit we received resources we can adapt to suit our learners to aid their problem solving and reasoning skills and increase their understanding of maths vocabulary.

The calculation policy is a tool to reduce teachers workload, whilst using this we also invested in 'White Rose maths' online resources to reduce teacher workload, when planning the pictorial aspect of the calculation policy.

As a subject lead I have drop in sessions in the school diary to answer any questions about maths that staff may have, all year round I have an open door policy.