

Abbot's Hall Community Primary School



A whole school approach:
Times Table Policy

May 2024

About our times tables policy

Times Tables are at the heart of mental arithmetic, which in itself helps form the basis of a child's understanding and ability when working with number. Once the children have learnt the times tables and related divisions by heart, they are able to work far more confidently - and efficiently - through a wide range of more advanced calculations. At Abbot's Hall Community Primary School, we believe that through a variety of interactive, visual, engaging and rote learning techniques, most children can achieve the full times tables knowledge required by the end of Year 4.

Department of Education and the National Curriculum

In February 2018, the government announced that they would be introducing an online assessment for children in Year 4 to check their times table knowledge. This is because they argue it is essential for future success in mathematics. As of September in the 2019/20 academic year, this assessment will be mandatory for all state-funded maintained schools and academies (including free schools) and will consist of an online assessment of 25 questions.

According to the New National Curriculum 2014, the expectation of times table in each year group is as follows:

Year 2: 2x, 5x, 10x

Year 3: 3x, 4x, 8x

Year 4: 6x, 7x, 9x, 11x, 12x

Year 5: All Multiplication and division facts (12 x12)

Year 6: All Multiplication and division facts (12 x12) and related language symbols e.g. % and square root.

Aims

1. To raise the profile of the teaching of times tables and related division facts across the school, developing our knowledge of language associated with times tables: 'times', 'lots of', 'product', 'multiplied by'
2. To explain the expected practices, to ensure children learn their times tables.
3. To ensure continuity in practices and progression in times tables.
4. To ensure there is successful teaching and learning of times tables and related divisions within our school.

Related Policies

This policy should be read in conjunction with the Abbot's Hall maths policy and calculation policy.

Progression of times tables throughout the school

Below is the expected progression throughout the school but children who are ready may progress into higher year group expectations once they have a secure knowledge of the times tables facts (and related divisions) and can recall them confidently and accurately.

Reception: To be able to count in steps of 10 To be able to count in steps of 5 To be able to count in steps of 2

Year 1: To be able to recall the 10 times table and the 5 times table. To be able to count in steps of 2

Year 2: To be able to recall the 10, 5 and 2 times table. To be able to count in steps of 3.

Year 3: To be able to recall the 3, 4 and the 8 times table

Year 4: To be able to recall the 6, 7, 9, 11, 12.

Year 5 & Year 6: To be able to recall all of times tables facts and related divisions through regular consolidation of all.

Teaching of times tables throughout the school

It is expected that times tables are visited on a daily basis throughout the school. This may take place in a variety of forms, such as: counting in tables as they enter the school or line up, use of learning videos during starters and explicit classroom teaching using a range of strategies. A range of teaching and learning strategies need to be used to provide a suitable learning style for all children.

Below you will find a range of games or online supporting materials that may be used in school but that can also be used to support children at home as regular practice at home is also vitally important to a child's continual progress.

Times Table Rockstars - Times Tables Rock Stars is a carefully sequenced programme of daily times tables practice. Children are provided a login for this program during their year in Year 2 and can compete against their classmates to earn a variety of in game rewards.

BBC Super Movers - Super Movers is a campaign from the Premier League and BBC to help get a generation of pupils up and moving while they learn. The link below gives children access to all the videos for practising their multiplication videos.
<https://www.bbc.com/teach/supermovers/times-table-collection/z4vv6v4>

Hit the Button - Hit the Button is an interactive maths game with quick fire questions on number bonds, times tables, doubling, halving, multiples, division facts and square numbers. The games are against the clock challenge and develop a child's mental maths skills. There is also an app available.
<https://www.topmarks.co.uk/maths-games/hit-the-button>

Assessment

To ensure that children are secure in the recall of the times table and related division facts, are prepared for the multiplication tables check at the end of Year 4 and are making progress against curriculum objectives, they need to be regularly assessed.

In Reception and Year 1 this assessment can be broadly teacher assessment through carpet recall sessions - ensuring that the children can recall facts in a random order.

From Year 2 onwards the children should be assessed weekly, at least once, on their ability to recall times tables and related division facts (although in Year 2, this will begin at the start of the Summer Term). These assessments could take place in the starter of a mathematics lesson or during other scheduled times in the school day, and focus on instant, fast recall of facts. These assessments will be a printed out set of questions and cover the times table and division facts the children are currently working on whilst also revisiting previously learnt tables to ensure these are not forgotten.

Children need to complete the assessment with a minimum of one error to earn a pass. Once children have earned two passes, they will then move onto their next table. When children have completed two passes on Gold (All tables), they will have reached the 'Top of the Mountain' and their achievements will be celebrated (as outlined below). They will be ready to progress onto 'Supersize' where each table is then a multiple of 10 e.g. 10 becomes 100, 2 becomes 20 and so on. This will be marked with a gold star on their name/photo on the class display. If children manage to reach the top of the 'Supersize Mountain', then they can then progress onto the 'Supershrink Mountain', which involves multiplying decimals.

Teachers are to keep a log of the children's weekly assessments to ensure the progress of the children is recorded.

Adaptation

It is expected that children will be at varying stages in their times table journey. In KS1 it is very important that all children have extra support in developing an understanding of the concept of 'lots of' to support their understanding of multiplication. If children are confident in the times tables expected for their year group, they will be moved on to the times tables expected in the years above. If they have not yet achieved the target times tables for their expected year groups, they must continue to work on the times tables until they are secure.

Despite this area of the curriculum being paramount to children's understanding of mathematics, there are some children who may find it difficult to learn their times table

and related division facts and this could be for a variety of reasons. Teachers may adapt the requirements of the assessment if they feel the need to do so (e.g. time extension or error acceptance) and if any parents are concerned about their child's learning in this area, adaptations can be discussed and agreed upon with their class teacher.

Times Tables Awards

As noted in the assessment section of the policy: Teachers are to keep a log of the children's weekly assessments to ensure the progress of the children is recorded and also to ensure awards are given when needed.

Children's achievements will often be celebrated in class by their peers. This will be when a child completes a section of the times table mountain in class and is able to move their photo/name up on the display in front of their peers, celebrating this achievement. Once a child reaches the 'Top of the Mountain' (completes Gold twice), They will be given a special certificate in an assembly to acknowledge this as well as a multiplication badge to wear on their uniform so all their peers can recognise their achievements.

<u>Year Group</u>	
Year 1 - Special Certificate	Children can recall their 5 and 10 times table out of order fluently at pace.
Year 2 - Year 6 - Special certificate and badge	Children can recall all the times table including all related division facts out of order, fluently and at speed.

Displays

Each class will have a 'Times Table Mountain', which shows the children the small steps they take in order to reach the top of the mountain. Photos or names will be placed onto the mountain to show layered targets for each individual and to also show their progress in their ability to recall specific time's tables and related division facts. This will also be an incentive to encourage progress and to learn multiplication and division facts.

This policy will be reviewed by the maths leads every three years

The policy was agreed at the meeting of the Governing Body held on:

Signed:

David Pettitt

Headteacher:

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Date: May 2024

G. Kenworthy

Chair of Governors:

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Date: May 2024

Maths Lead:

R Childs

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Date: May 2024

Maths Lead:

R Deed

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Date: May 2024