



Hannah Freeman
Acting Headteacher
Biggin Hill Primary School
Old Tye Avenue
Biggin Hill TN16 3LY
01959 575846
www.bigginhillprimary.com
admin@bigginhillps.com

1st February 2021

Dear Parents and Carers,

In response to our recent parent questionnaire about home learning, I am writing to suggest some ways in which you can help your child prepare for their weekly Maths Challenges when all pupils return to school.

In case you are unfamiliar with our Maths Challenges, they are quizzes that are administered every Monday when we are in school. A Challenge lasts for 3 minutes. For Bronze, Silver, Gold, Master and Champion levels this allows 6 secs per question which is comparable to the time given in the times tables check Challenge in Year 4. Challenges for Red and Yellow levels should also last 3 minutes, even though there are fewer questions. Once a child has scored full marks in a Challenge for 3 consecutive weeks they earn the award for that level and move onto the next. We only have 6 levels from Reception to Year 6, so progression through the awards will be slow. Please note that children in Reception and Year 1 will begin to do the challenges as soon as the teacher feels that it is appropriate for them to do so. Children achieving each award will win a badge, similar to our ambassador badges to display proudly on their uniform.

The table below shows what each level addresses. I have included sample quizzes from each level so that you can see the layout and expectation. You can generate times tables tests for different tables and with numbers of questions on this website: <http://www.timestables.me.uk/printable-pdf-quiz-generator.htm>

Award	Content
Red	Counting and number recognition number bonds within 5 (addition & subtraction)
Yellow	Number bonds of 10 (addition & subtraction)
Bronze	2x, 5x, 10x tables Multiplication only
Silver	2x, 3x, 4x 5x 6x, 8x tables Multiplication only
Gold	All tables to 12 x 12 Multiplication only
Master	All tables to 12 x 12 Multiplication and division
Champion	Some multiplication & division 0.7x, square roots, square numbers, 300x etc.

Children need instant recall of their number bonds and times tables. Memorising number facts makes it far quicker and easier for children to work out maths problems in their heads. Knowing their number facts can also help your child more readily grasp other important aspects of maths, such as fractions, division and percentages. Perhaps most importantly, instant recall of these facts will give your child confidence in their own skills – there's nothing more 'grown up' than not having to use your fingers to work out an answer! This confidence will help them every day in the classroom.

Learning number facts is a matter of practice. Little and often is best. 5 to 10 minutes once or twice a day will be far more effective than a longer weekly session.



Useful games, Challenges and songs

There are a lot of apps that help memorising number facts. Most of them are paid for apps, but *10 Minutes a Day Times Tables* is free.

For Number Bonds

- Card games where you have to turn over two cards that equal the target number
- Flashcards where the numbers on the two sides equal the target number
- rolling 2 dice and adding the numbers
- [Super Movers](#)
- [Bingo - Addition - 5-11 year olds](#)
- [Hit the Button - Quick fire maths practice for 5-11 year olds](#)
- [Number Bond Machines](#)
- [Ten Frame Interactive Activity - NCTM](#)
- [Number Bonds 20](#)
- [Curious George . Museum of Tens](#)
- [I Can Recall All Number Bonds To 10. | Interactive Game | Lesson ID 031](#)
- [KS1 Jungle Maths: Number Bonds to 10 Game 36 reviews](#) (free during lockdown)

For Tables

- [Hit the Button - Quick fire maths practice for 5-11 year olds](#)
- [Times tables games - Learn them all here!](#)
- [Super Movers](#)
- [Marlon's Magical Maths Mission - Multiplication](#)
- [Times tables rally game](#)
- [Super Maths Bowling - Multiplication](#)
- [Bunny Battlefront - Times tables](#)
- [Archery Arithmetic - Multiplication](#)
- [Penalty Kicks - Free Multiplication Facts Practice](#)
- [Birds v Robots - Maths Battle](#)
- [Funk Mummy || Quick recall of addition, subtraction and multiplication facts || Mobile-friendly version](#)
- [Tommy's Trek - Times Tables](#)
- [Maths Fishing - Multiplication](#)
- <https://collins.co.uk/pages/primary-mathematics-times-tables-Test-simulator>
- <https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Chec>
- <https://www.topmarks.co.uk/number-facts/number-fact>

Yours

Linda Buchanan (Maths Leader)

