

Maths at DBIS

In this session:

- Introduction to Maths teaching
- Deeper learning
- Streaming and differentiation
- Homework
- How can I support my child's maths?
- Maths opportunities at DBIS

What do you use instead of textbooks?

- UK curriculum based - Explanation of the planning process in school by teachers.
- Regular teacher assessment - Used to ensure students are on track and making progress.
- Student feedback - Given in class so students can see success.

Teachers' area



Planning



White Rose documents



Assessment

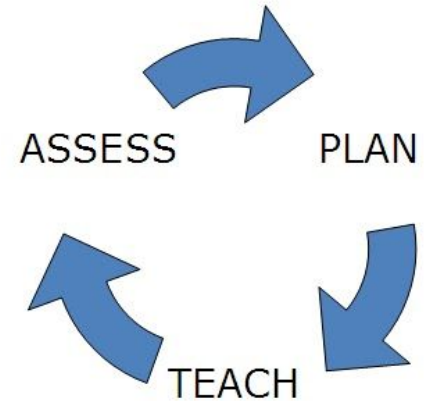


Challenge and open questions



Outdoor activities & investigations

The Teacher's website was shown



Deeper learning, not 'faster' learning

- **Maths is fun** - Students are shown in class that it's not 'just numbers' but all around us!
- **Deeper understanding** - Looking for patterns, reasons and explanations, rather than just moving on to bigger numbers.
- **Examples of deeper learning** - What numbers are between 2 and 3? What are could the dimensions be for a swimming pool with an area of 10 square meters?
- **Fluency, reasoning, problem solving** - Moving from pure calculations, to reasoning with numbers and looking for trends, then into application through multi-step problems.
- **Positive about Maths** - It is imperative that we genuinely believe all can achieve and enjoy maths, even if it takes some students longer.

If you don't stream in every year, how do you differentiate?

- **Potential** - Evidence and experience proves that streaming classes 'highest to lowest' caps potential and is not in the interests of the students. Years 5 and 6 are 'soft streamed' to cover the same objectives whilst meeting the needs of an increasing spread of attainment.
- **Knowing the students** - Good relationships are the key to good teaching. Staying in class for maths allows teachers to really challenge every child as well as give extra bits outside a single maths lesson.
- **Support and challenge** - This is key to great teaching and progress, ensuring all have the right level of challenge. The focus of many school teacher meetings is focused on enhancing the already great practise in this area.
- **Additional challenge** - FOBISIA competitions, Challenge maths club, Support maths club, Inter school competitions (hosted by DBIS). These all provide great opportunity for extreme challenge.

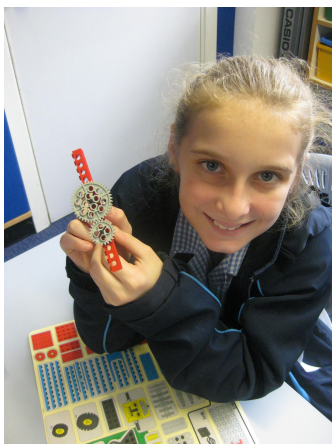
I want paper homework!



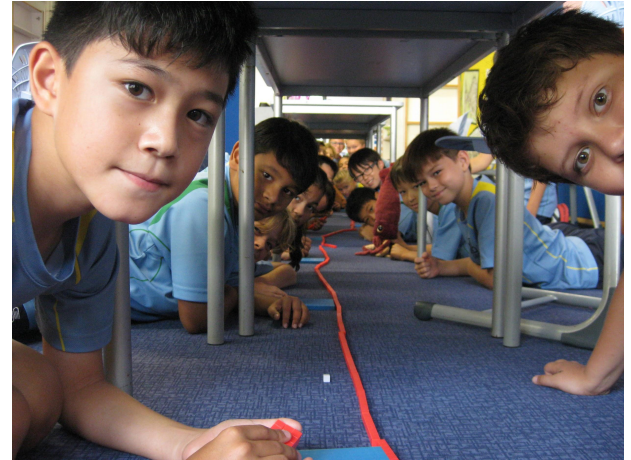
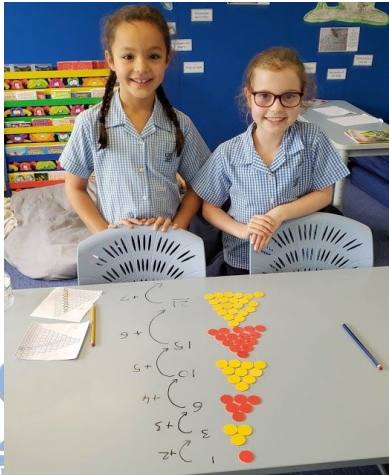
- **Recap** - homework will not be new content.
- **Adaptive** - There are many reasons for the move to Manga High: it is highly adaptive to students responses (asking harder questions if they get them right), it's fun, it provides instant feedback, it's easy to monitor who is doing homework .
- **Achievable amounts** - DBIS does not set a lot of homework, so what is set is achievable.
- **Additional available** - Look on the parent website for ideas for homework resources, as well as how to support your child.

What can I do to support my child?

- Times tables, times tables, times tables - Knowing these makes almost all areas of maths easier
- Stick to methods they are happy with - e.g. fingers, number lines,
- Use the maths parents site
 - Hub.dbis.edu.hk > Curriculum resources > Maths resources
- Practise written calculations for + - x / and time
 - See [calculation examples](#) with video links (on Maths site)



Maths is fun!



Questions

- Manga high - Accounts should all be working using s-number and school password.
- How do I know what they are learning - see the yearly overview for each year on the parent website through the *hub*.
- When does homework come out - Check with your child or class teacher.
- For all other technology questions, please visit the IT helpdesk near the PE office.

A screenshot of the Manga High login form. It has three input fields: "User ID" with the value "s514051", "Password" with masked characters ".....", and "School Id" with the value "427043". Red arrows point from the text labels "Student number", "School/Google password", and "School code (427043)" to their respective input fields. A blue "DONE" button is at the bottom.

User ID
s514051 ← Student number

Password
..... ← School/Google password

School Id
427043 ← School code
(427043)

DONE

Thank you to all parents for your support and engagement.

Alex Hughes - Maths Curriculum Leader