

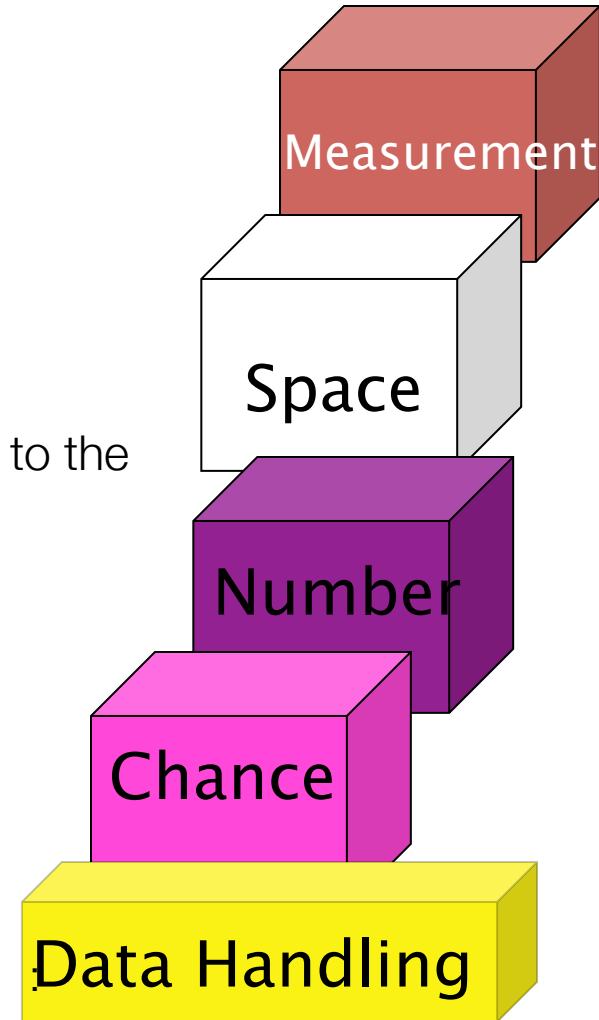
Year 3 Parents Information evening

Mathematics

Math in the PYP

Increased emphasis on:

- Investigate meaningful mathematical problems
- Explore problems in depth and find more than one solution to the problems they investigate
- Create their own strategies and approaches
- Work both individually and in small groups
- Share their ideas and strategies with others.
- Express mathematical thinking through drawing, writing, journaling, talking and playing.




Links to Transdisciplinary themes

- ▶ We have an emphasis on linking mathematical strands to the Units of Inquiries covered in Year 3.
- ▶ E.g. ‘Where we are in place and time’– chronology–timelines.
- ▶ ‘Who we are’– measurement
- ▶ Sharing the planet– Capacity



Assessment in Year 3

- ▶ A range of assessments are used to find the children's strengths and weaknesses in Mathematics.
 - ▶ Students are placed in class groupings according to the results of assessments.
 - ▶ Groups are always flexible and there will be movement between groups and cross-grouping throughout the year. (Teacher discretion)
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Purpose of Number

- ▶ To build **number sense** in real life situations
- ▶ To build up a range of **number strategies** that can be used in all strands of Mathematics
- ▶ To understand the importance of **estimation**.
- ▶ To develop **problem solving strategies**
- ▶ **Number** is an on-going strand



Manipulatives

- ▶ We often use manipulative materials to help form and consolidate meaning.



Problem solving

- ▶ Four steps for solving mathematical problems
- ▶ Understand and explore the problem;
- ▶ Find a strategy;
- ▶ Use the strategy to solve the problem;
- ▶ Look back and reflect on the solution.



Problem solving strategies

- Guess (this includes guess and check, guess and improve);
- ▶ ▪ Act it Out (this includes using equipment)
- ▶ ▪ Draw (this includes drawing pictures and diagrams)
- Make a List (this includes making a table)
- ▶ Think (this includes using skills you already know)

Numeracy games

- ▶ Games are a fun and effective way of practicing number strategies and skills taught in class.



- ▶ As part of home learning children will be sharing some of these games with you.

HOW TO SUPPORT YOUR CHILD WITH MATH HOME LEARNING.

- ▶ **Be Supportive**
- ▶ **Listen to them**
- ▶ **Give them opportunities to do Mathematics using the world around them**
- ▶ **Play board games**
- ▶ **Have fun with Numbers**



Communication with parents

- ▶ Mid Year and End of Year reports
- ▶ Home Learning books
- ▶ Informal and formal meetings
- ▶ E-mails
- ▶ Bulletin



Thanks for attending.....

