

MATHS PROGRAM IN YEAR 5

Level 5 at a glance

(Here is a very brief snapshot of the level 5 curriculum)

(Students in year 5 can work at many different levels. If this applies to your child and you would like more detail about their Maths learning please see their classroom teacher)

NUMBER and ALGEBRA

Estimation and rounding – Use these strategies when solving problems.

Addition/Subtraction – Apply these skills to solve problems.

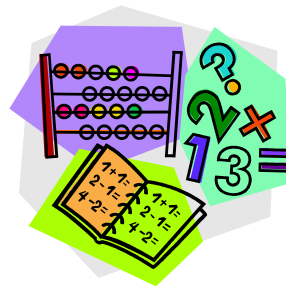
Multiplication (factors, multiples, multiply larger numbers by one or 2 digit numbers eg. 36×2 or 27×18).

Division (divisibility rules, division by a 1 digit number including remainders eg. $57 \div 6$ or $234 \div 8$).

Fractions – Compare and order common fractions, add and subtract fractions with the SAME denominator).

Decimals – Compare and order tenths, hundredths, thousandths.

Money – Create simple financial plans (work with a simple budget, identify GST).



MEASUREMENT AND GEOMETRY

Length, area, volume, capacity and mass – Measure using appropriate units.

Area and perimeter – Calculate the area and perimeter of rectangles.

Time – Compare and convert between 12 and 24 hour time.

Angles – Estimate and measure using degrees.

Maps – Use a grid reference system, identify landmarks.

STATISTICS AND PROBABILITY

Data – Pose questions and collect data.

Graphs – Create a range of graphs including column graphs, dot plots, tables etc. with and without computers.

Chance and Probability – Conduct chance experiments (eg chance of winning a game). Recognise that probabilities range from 0-1.

ASSISTING WITH MATHS AT HOME

Confidence is essential in any learning, especially mathematics. Children need to experience success frequently to give them confidence to extend their understandings and enjoy exploring maths. Your attitude to maths will have a great influence on this and on their attitude towards maths learning.

Much of the daily experience of children in the home and during leisure activities involves them in using and developing numeracy skills. Parents and other adults can assist children by sharing the maths they are using and encouraging children to talk about what they are doing, for example:

- Sitting with them and assisting them with their maths home learning.
- Telling the time; estimating how long a journey/game/task will take.
- **Keep up the emphasis on practising the multiplication/division facts up to 10×10 .**
- Reading and recording on the calendar or in a diary.
- Setting the alarm clock.
- Estimating distances.
- Measuring and recording people's height and mass at regular intervals.
- Scoring and strategies in sports.
- Measuring ingredients for cooking.
- Noting sizes of packets when shopping.
- Describing containers in terms of their capacity.
- Planning family activities.
- Handling money and estimating costs, working within a simple budget.
- Building using construction kits, models, household materials.
- Finding their way around the neighbourhood, park or city.
- Reading maps, plans.
- Deciding on which train or bus to catch.

Games are a wonderful way of developing number and strategy skills, as well as providing the opportunity for family fun:

- Board games (Monopoly, snakes and ladders, draughts, ...).
- Card games (traditional or snap, concentration, Numero, UNO ...), Dominoes.
- Strategy games and activities (Sudoku, Connect 4, Backgammon, Chess, Battleships, Mastermind, ...).
- Jigsaws (commercial or homemade including cut-up squares, triangles etc. ...).

RESOURCES TO ASSIST

Mathletics – Your child will have their own user name and password – it is designed to be used for 5-10 minutes at a time

<http://www.mathletics.com.au/>

Make sure you sit with your child whilst **THEY** complete their activities and talk to them about what they are doing. Look in the Dictionary or check out the Concept search to help if you need to.

Here is a link to the Department Website that describes what your child will learn in Year 5 in Mathematics, with links to activities etc.

<http://www.education.vic.gov.au/school/parents/learning/schoolmate/year5/Pages/maths.aspx>

SchoolMate The SchoolMate app, produced by the Department, provides the information from this section in a simple and easy to use way. It allows you to tailor your view so you see what is relevant to your child and their interests. For more information and to download the app, see: [SchoolMate](#)

201 Literacy and Maths Tips to help your child. This is a fantastic booklet full of great advice and ideas to help with both Literacy and Numeracy. It is divided into two sections that you can download. The first section is Before school to year 2 and the second is year 3 to year 6. This resource is also translated into 22 different languages.

<http://www.education.vic.gov.au/school/parents/involve/Pages/literacynum.aspx>

