



Power Maths- Making Maths an adventure

Maths is an adventure for children (and adults) to immerse themselves in, get creative with, make mistakes, and conquer! Power Maths is an award-winning whole-class mastery programme which we use at school designed to spark curiosity and excitement and help you nurture confidence in maths.



Meet our Power Maths friends!



Ash

Ash is curious and inquisitive. He loves to explore new concepts.



Astrid

Astrid is brave and confident. She is not afraid to make mistakes.



Dexter

Dexter is determined. When he makes a mistake, he learns from it and tries again.



Flo

Flo is flexible and creative. She often comes up with new methods.

Sparks

Sparks is helpful and supportive. He will remind you of things that may help you.



You will see these characters in the questions. Become familiar with them- use their names and why they are special!

E.G You didn't give up today even though it was tricky. You were just like determined Dexter!

Power Maths online learning

Power Maths have released some of their online resources for Year One and Year Two (Please see the home learning page for Reception's Power Maths work). They have released Text Book B and C and a Summer Home Edition Practice Book.

Your child will be familiar with the format of the Text Books as this is what we teach from when we teach our Power Maths lessons in school. The Text books allows you to discuss and explore mathematical concepts together to solve problems. The practice book has part of a text book for you to explore a concept and then questions for your child to practice what they have learnt.

How to use the online learning

To access the Power Maths online resources you need to **copy** the link address into your web browser. Accept the terms of use and it will bring you up with three options: Text book B and C and the practice books.

http://go.pardot.com/e/749453/PowerMathsYear1/51zwl/107009395?h=C_skoader-jTgJ0aTsYBIzIAWPQmuuMkpGJv-18Kjmm Year 1

http://go.pardot.com/e/749453/powermathsyear2/51zwn/107009395?h=c_skoader-jtjgOatsybiziawpquumkpgjv-18kjmm Year 2

Using number facts to check calculations

Discover



- 1 a) Check the total cost of the cat bed and the dish by adding the prices together.
- b) What other calculations could you do to check your answer?

Share

a)

$$9 + 5 = 14$$

I used to work out the total cost.

$£9 + £5 = £14$
The total cost is £14.

I used to work out the total cost.

Here is an example on how to use the Practice Book. Each lesson in the practice book is split into 3 parts: **Discover, Share and Practice.**

Before starting with your child you should click on the option 'single page view' at the bottom left of the page so the children can only see the discover part of the lesson.

The **discover** part allows you to talk with your child about the new concept. (In school this would be when the children are sat on the carpet and this bit is really important!) Discuss the picture- what is going on? Ask lots of questions such as:

What kind of number sentence do you think we will do to solve this problem? Why do you think that?

Can you be like flexible Flo and think of another calculation to check your answer? The questions at the bottom of the discover page can help you with this.

The **share** part will show you different representations or different ways of working out the answers to the questions on the discover page. It is useful to look at this before showing your child so you know a few ways of working out the answers.

After you have shared methods of solving the answers/ different representations there is opportunity for your child to **practice** what they have learnt. If you have access to a printer you could print these pages off, if not you could show them the questions on the screen and get them to write down their method/ answers on paper.

Using number facts to check calculations

1

There are 13 in total.

a) What subtraction can be used to check this total is correct?

$\square - \square = \square$

b) Write a different subtraction you could use to check the total number of .

$\square - \square = \square$

2

Lara has 12 . Koji says he has taken 3 . Lara has 8 left. Do you think Koji really took 3 ?

a) Do an addition to find out how many sweets Koji really took.

$\square + \square = \square$

b) Now do a subtraction to find out how many sweets Koji really took.

$\square - \square = \square$

c) How many sweets did Koji take?

$\square - \square = \square$

Could I do a different subtraction?

Please remember that these materials are there to support and guide you. We understand that it is difficult and probably a new way of working for you. We are not expecting you to replicate learning that happens in school! Have a go and enjoy Maths! If you have any questions please do not hesitate to ask your Child's class teacher. If you having difficulty accessing the links please contact Miss Swain on year2@cavclosei.derby.sch.uk