

Our aim at Saint Alban and Saint Stephen Catholic Primary School and Nursery is that children will learn to be confident in exploring and using a wide range of maths skills that they can build on in their future learning and use in their adult lives.

The purpose of Maths is the pursuit for truth, and the thinking skills developed through the Maths Curriculum should inspire learners to be innovative, creative, critical and analytical learners. Enjoying the beauty of Maths enables learners to engage with the transcendent dimensions of life. It will inspire them to become the pioneers and inventors of today and the future.

How Children Learn Maths

- Using practical mathematical resources
- Exploring and investigating
- Using Talk for Learning
- Representing learning using pictures and then more abstract.



Herts for Learning Essential Maths Scheme

- Across both sites ensuring consistency and progression.
- Sequences of lessons for each year group.
- ► High emphasis on using mathematical equipment for practical learning.
- Problem solving skills embedded throughout.
- ► Children learn to record using pictorial representations and more abstract recording, e.g. number sentences.
- ► Talk for learning is important speaking frames support children's use of mathematical language.

Speaking frames

Finding Combinations of Coins for Different Values Speaking Frame

The ... rod represents $\square p$.

To make □p you can combine a □ p coin, □ p coin ...

So

 \Box p is equal to \Box p and \Box p ...

 $\square p = \square p + \square p + ...$

Our Classroom Environments

Children are encouraged to access a wide range of resources independently.

Working walls and interactive maths displays encourage pupil learning.



Year 1



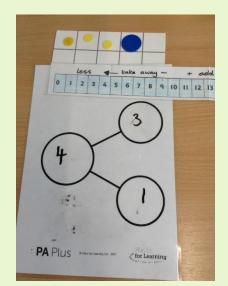
Year 2

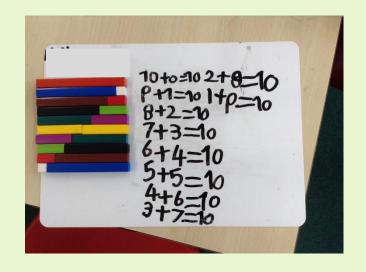


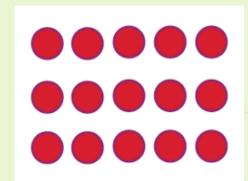


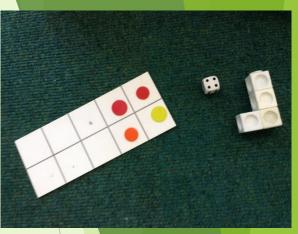
Maths in Key Stage 1

- ► Continue to develop subitising skills, e.g. with tens frames.
- ▶ Representing and regrouping numbers in different ways.
- ▶ Place value what each digit represents in a 2 digit number.
- Recognising odd and even numbers.
- Discovering the link between addition and subtraction.
- Practical multiplication and division grouping and arrays.





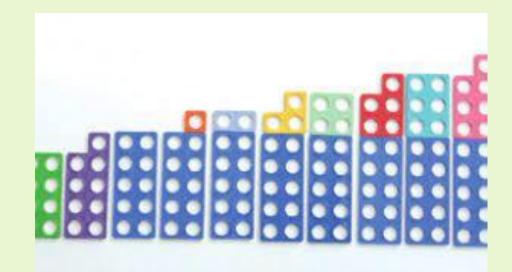






Numicon

Teens numbers - tens and ones

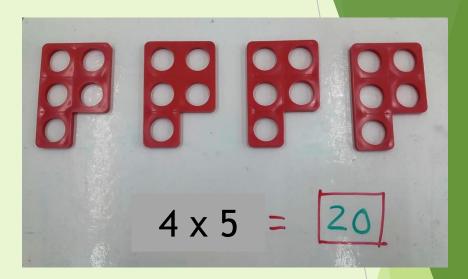


Odd and even numbers



Number bonds to 10

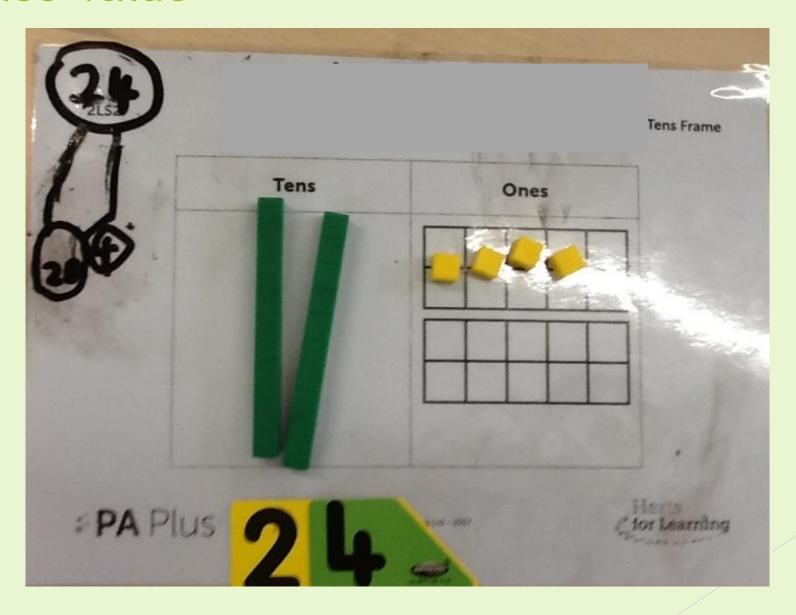
Multiplication





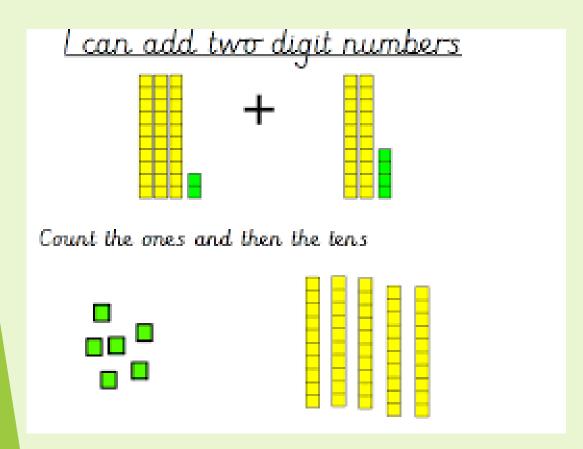
Explore equivalence

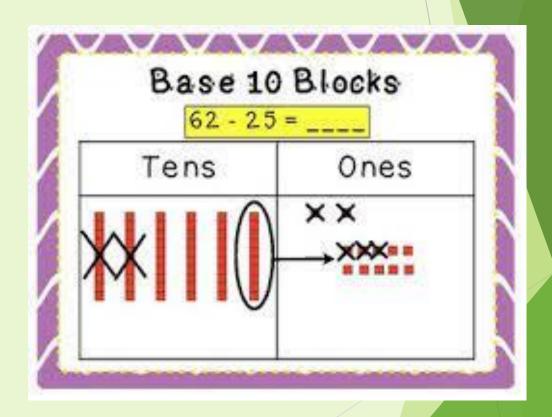
Place Value



Addition and Subtraction

Base Ten



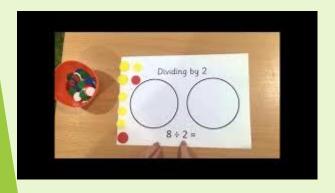


Regrouping - making different groups to represent different numbers e.g. regrouping 1 ten into 10 ones.

Multiplication and Division

2x, 5x, 10x and 3x tables

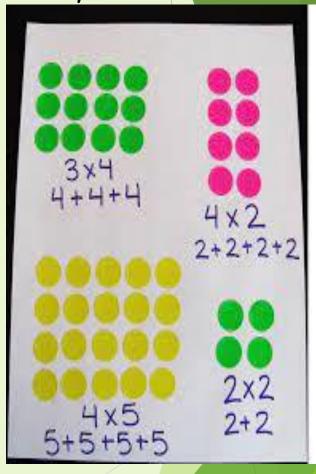
Sharing



Grouping



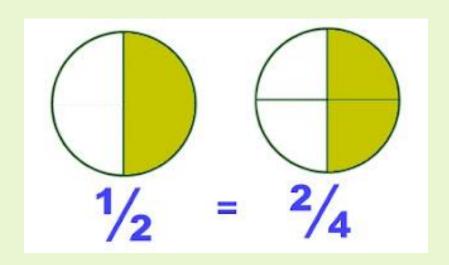
Arrays



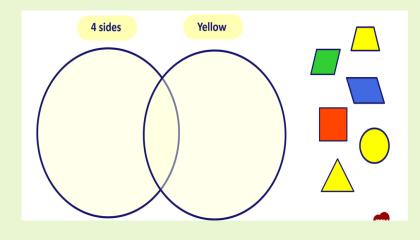
Fractions

- >Fractions of shape
- >Fractions of numbers
- > Equivalent fractions
- >Links to multiplication and division

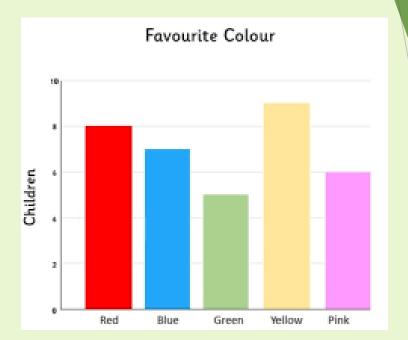


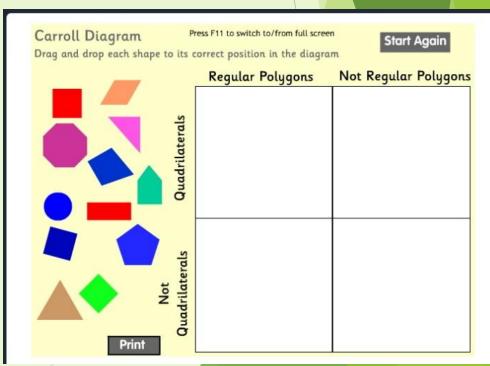


Data Handling



No. of fruits	Tally Marks		
Apples	UKIII		
Oranges	WYIIII		
Pineapples	ur i		





Measures



Mass



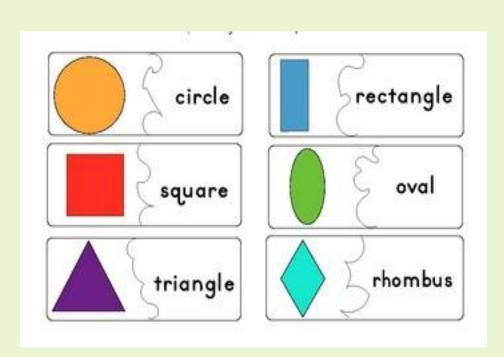


length

time

Shape

Name and describe 2D and 3D shapes.

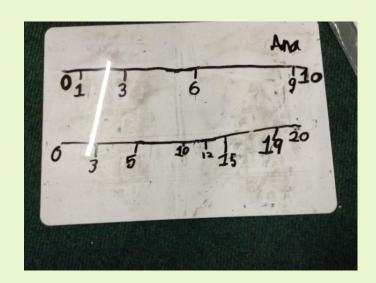




- face
- vertices
- edge
- curved
- flat
- surface

Maths Fluency

- Children spend 10-15 minutes per day on Maths fluency.
- Revisit previous maths learning
- Develop quick recall of number facts.



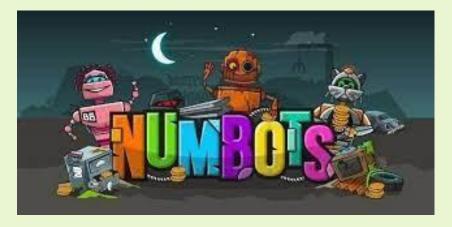
Home Learning

- Maths choices on Home Learning Grid
- Weekly homework using board games for younger children, My Maths (completing tasks set by teachers)
- ▶ Times Tables Rock Stars and Numbots online maths.

Home Learning Grid - Spring 1 (Some activities have worksheet activities for Google Converse). Our Topic: Poles Apart				
Subject				
Phonics (66/9 - Surrey, surrey (76/9), Peact, Cheard) (A) (66/9), Peact, Ch	/gg/y-say, fig) /gg/ow-(bosc, snow) //g-(glant, huge) //gg-(phone, photo)	// No - (approx, gentle) // of - (accol, metal) // o - (fice, spec) // op_ (gen, lee) Can usu research Pope francis	/L/4-e, o, gp. (son, south, done) /L/ se (cheese, noise) // se, gq (dance, hone) /gw/ gp. (none), key) fine could you show appreciation	feet / dec (signature) Revise All
Local church: Special People. Think about or e-special pantain in your family, ut outloor community. With about why they are so special to you.	Talk about: Who is visiting the Church? Who are the key people in a Church (i.e. PriesQ,	and find our some facts about him? You could draw him and create a fact file to present to class.	to the special people you know? Create a card or write a prayer thursting the special people around you.	Talk about: What makes thaning a meal with others so special?
English Our rew focus story is Meeting that. White a clary, sequenting the event is spoor.	Write a description of a setting of your choice (i.e., your house, Clarence Park, local sheps).	Create your own policand baset on the stary Weeksz Mail.	Our rewifeous story is 50 Research Stave A Penguin. Write a list of reasons you love your favourite or irrol.	Presently your favourise annual. Write a list of facts about that animal to share-with the class.
Mights Comparing langth, height, main and speed. First a range of objects to compare (i.e. lightest us besides; smallest us languar).	Sequenting events [Despt Months]. Have a go at sequencing the "Days Of The World" and "Months of the Year".	Adding using 'Think 37', Watch who an GC for exploration Practice addition number bands to 20(j.e. 6 = 4, 7 + 3]	Subtracting using "Hark 10". History-value on GC for experimention. Practice subtracting to make 10 (i.e. 12 - 2, 15 - 5).	Numbers to 20, using cherry- models. Create your cherry models adding two numbers to make beyond 10.
Wider Curriculum Fed algebra sexuand the focuse that are sexuals of wood plastic, glass, execul, water and road. Talk about each objects properlies (i.e. mature, strangth, floothing, purpose)	Carryou research and find 3 countries north of the equator and 3 countries south of the equator?	Can you research an arctic animath flow could find out where it flows, what it looks tile, what it each, the name for the group (e.g. bend) and what it tably unimate one called (e.g. chicks). Draw a picture far it.	First a range of objects that are waresproof. What made talk are they made out of FVM-bit objects floot/wisi? Conyou explain why different objects regist floot and sink?	Saving our planet. Can you make a poster it houling uses we can help save our planet and all the animals on it? (For example you could focus on excepting or casing water or wheching).







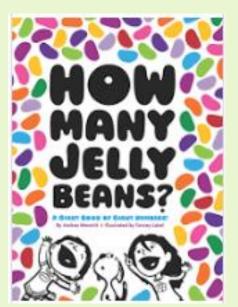


Making Maths Fun!

- Maths Week
- ► NSPCC Number Day
- Children dressed up with numbers
- Art activities with maths theme
- Maths stories
- Outdoor learning.

















Additional Ways To Support Maths At Home.

- Cooking uses variety of Maths skills in real life contexts such as weighing, reading a scale and time.
- ▶ Playing board games dice reinforce subitising skills, moving counters 1:1 correspondence, snakes and ladders develops number recognition, addition and subtraction.
- ► Tell stories e.g. addition or subtraction.
- Card games and dominoes.
- Looking at clocks at home analogue and digital.
- Money playing shopping games and giving children opportunities to use money in real life situations.
- ▶ Online learning:





