

St George's Catholic Primary School

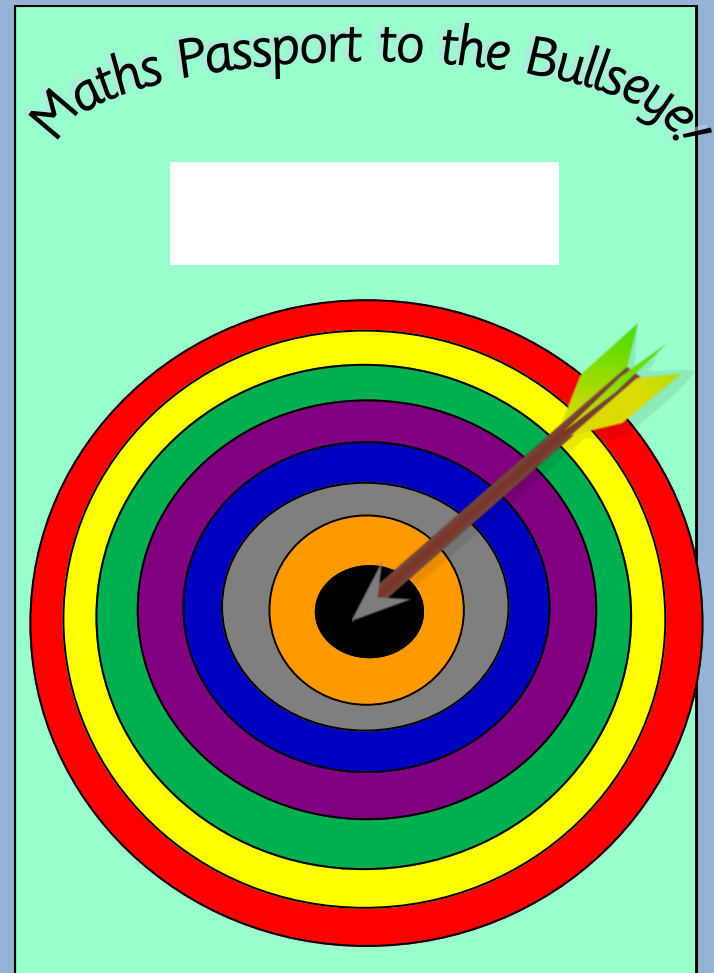
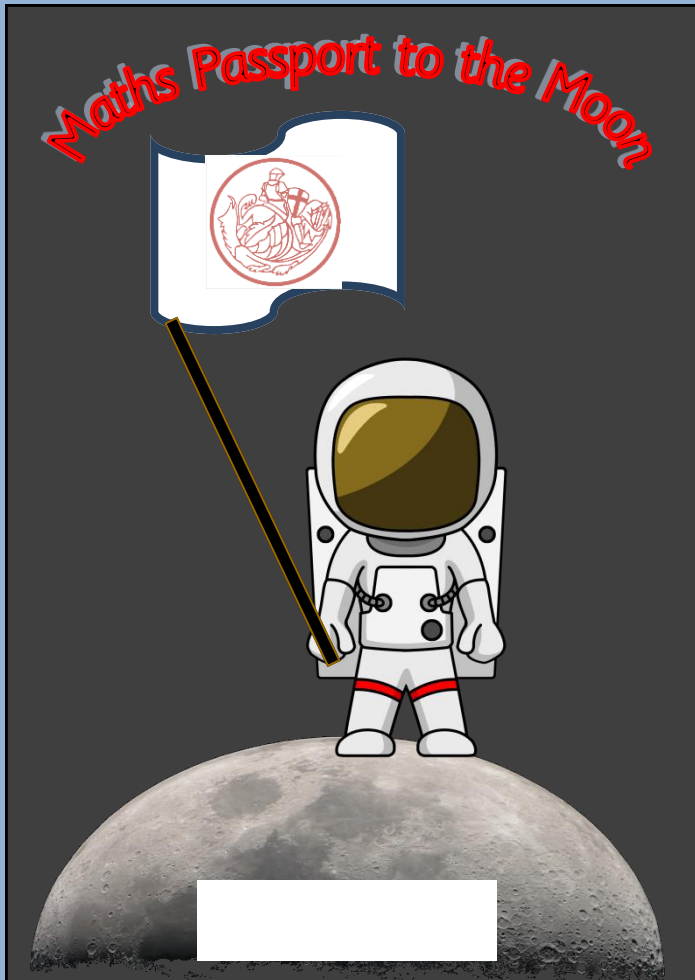


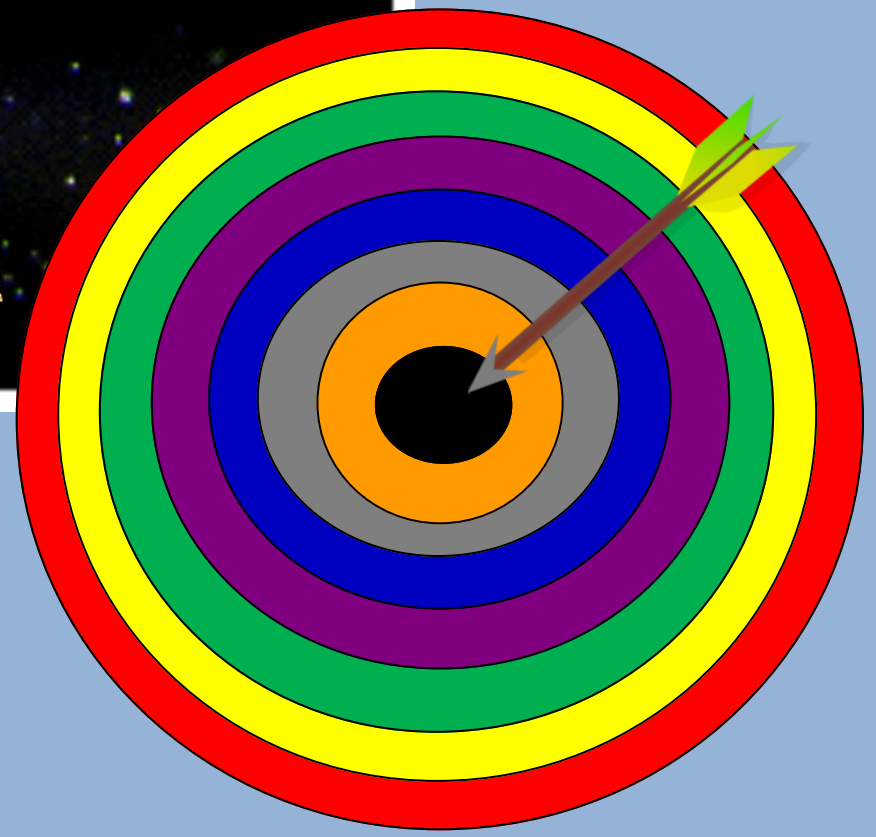
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What are Numeracy Passports?





Why do we have Numeracy Passports?

1. Basic Mathematical Skills
2. Problem Solving
3. Mental Maths

Do we really want our children to have to use a calculator or a pencil and paper for simple calculations?

Try this example...

What is the total price of 4 plane tickets at a cost of £160 each?

How did you work it out?

Method 1-

$$4 \times 100 = 400 \quad 4 \times 6 = 24 \quad \text{so } 4 \times 60 = 240$$

$$400 + 240 = \text{£}640$$

Method 2

Double 16 is 32, double 32 is 64

Double 160 is 320, double 320 is £640

It doesn't matter which way you worked it out, as long as you know what to do to work it out quickly!

Get ready to launch....



I can count up to 6 objects.

I can count up to 10 objects

I can recognise numbers 1-10

I can order numbers 1-10

I can say one more than a number to 10

I can say one less than a number to 10

To Earth....



I know addition and subtraction facts for numbers to 5

I know addition and subtraction facts for numbers to 10

I know addition and subtraction facts for numbers to 20

I know doubles of number to 10

I can order the days of the week and the months of the year

I can tell the time to the hour and half past the hour

To Neptune.....



I know the angles that make a turn e.g 2 right angles make $\frac{1}{2}$ a turn

I know how many seconds are in a minute, days in a month, year and leap year

I can tell the time using an analogue clock

I know how to order numbers in words e.g first, second

I can round numbers to the nearest 10 and 100

I can count in multiples of 4,8,50 and 100

Prepare to land on the moon!



I know multiplication facts for 3

I know division facts for 3

I know multiplication facts for 4

I know division facts for 4

I know multiplication facts for 8

I know division facts for 8

Where will my child begin?

- Numeracy Passports are a strategy for improving children's mental maths skills.
- Each child will be given a passport with a series of targets set out in planets and for the older children, in the zones of a coloured dartboard. These targets get progressively more challenging through the school. The passports track progression in basic number skills. The children will develop instant recall skills in all the objectives – they should not be taking time to work out the answer to each question, they need to know it **instantly**.
- All children will start at their attainment level and progress through the passports at their own pace. The aim is to complete the passports at the latest by Year 6. At first, it may seem that the work they are doing is too easy but we want to check how fast all the children are at each objective.
- The children will be practising mental maths skills in school and will be tested regularly. But in order to progress quickly and to develop instant recall, your child will need your help.

How to help at home

We would ask that you spend 10 minutes each day practising your child's passport skills with them. This could be walking to school, in the car, at teatime, before bed – it doesn't need to be a sit down, formal time. For most of the skills, you could try the same procedures:

eg number bonds to 10, you say 6, your child says 4

eg 3 x times table, you say 3, your child says 9

eg $4+3=?$ $?+4=7$ $3+?=7$

www.mathletics.co.uk

Mathletics also supports other areas of maths such as shape, space, measure and data handling so please encourage your child to use it.

nnparenttoolkit.org.uk

How quickly can they progress?

- Work with your child on the targets at home
- When you feel they are confident on specific ones-tick and initial the box.
- Every two weeks, teachers will then test the children on the targets that you have ticked. If the children can answer instantly and correctly, the teacher will tick and initial the box.
- Before moving onto the next planet/colour- Teachers will spot-check the children's answers.

How to help...

- Practice little and often
- Encourage your children to answer instantly
- Use rhymes/singing e.g for times tables
- Build up speed
- Use websites to help (Parent Toolkit)
- Ensure that your child's passport is in their bag every second week so that they can be tested in school.

Parent Toolkit

- Do everyday maths activities together
- We all need to use maths every day, so it's really important that your child develops good numeracy skills.
- However you feel about maths, you can still make a huge difference to your child's confidence and learning.
- TOP TIPS
 1. Be positive.
 2. Praise effort – this shows that by working hard they can always improve.
 3. Talk about and do everyday maths together.
- Go to nnparenttoolkit.org.uk for lots of easy ideas for family maths activities!