Mathematics

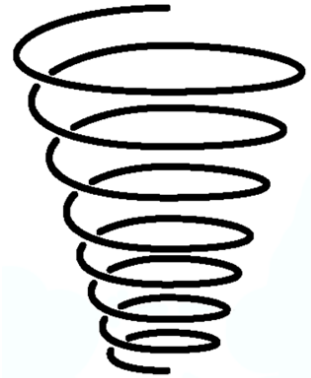
Learning at Highfield Littleport Academy

HIGHFIELD LITTLEPORT ACADEMY
An Active Learning Trust School

What do we want to achieve?

- a positive attitude towards Mathematics
- an interest and enjoyment of the subject
- a confidence in their own mathematical ability
- an understanding of what they are doing and why
- a confidence to apply knowledge to unfamiliar situations and solve problems in a range of situations through an investigative approach
- an ability to work independently and systematically
- an understanding of the need to record and present their outcomes clearly and in a variety of ways
- an effective use of a variety of mathematical resources including competence with a computer
- to gain a certificate or qualification in Mathematics by the time they leave HLA

How do we achieve our aims?



Long term planning builds on prior knowledge.
Spiral approach teaching skills for reinforcement and extension

Yellow - pupil focussed learning to maintain interest and build on prior knowledge, real-life application of key skills e.g. counting in multiples of 2, 3, 5 etc.

Green - Skills based incorporated with real life experiences eg engaging the local community applying skills e.g. starting to write numerals, counting forwards and backwards

Blue – plans individualised building upon pupils' next steps. Building blocks for number sense E.g. Number focus on 1:1 correspondence, and introducing positional language such as before, after

EYFS – Developmental progression incorporating next steps to apply within the community and learning. E.g. Number focusses on 1:1 correspondence reinforced through number songs and games

How do we know it has made a difference?

- Demonstration of progress over time
- Individual targets set so that learners gain knowledge and skills appropriate to them
- Insights data demonstrates learners who make above or below expected progress. If identified individual plans are put in place
- Students confidently read scales within science lessons applying mathematical skills
- While at the shop students apply their mathematical knowledge of money making sure they have enough money to purchase items and calculating change.
- Links are in place for KS4 students to access GCSE, Functional Skills or Entry Level Maths where appropriate

Learning Values





Our school learning values are life skills which are embedded within our curriculum and developed through each key stage. Example of these within mathematics -

Independence - using equipment without adult help.

Teamwork - accepting input from others.

Thinking - using what I learned in class in real life scenarios.

Creativity - finding new or different ways to work things out.

Resilience - not giving up when I find things hard.