



Stratford Preparatory School

Medium Term Planning – Junior 4

Term : Lent 2019 Subject : HM - LT

Aims

To introduce concepts to whole class. To reinforce and consolidate mathematics which have been introduced by class teacher. To encourage pupils to work independently and develop initiative. To further develop the key skills set out in the National Curriculum. To develop pupils ability to calculate mentally as well as using written calculation and to develop a range of strategies to help them solve a variety of problems.

Objectives

1. Pupils will work at their own rate through HM scheme with teacher direction and support. Pupils will work individually, in pairs, in small groups or as a whole class as appropriate.
2. Each lesson will contain an oral section for mental arithmetic. Pupils will work to develop mental calculation strategies.
3. To use computer software to reinforce and practise mental arithmetic.

Areas of experience

The school will focus on providing experience in the following areas

Linguistic – command of language and ability to communicate grows through listening, speaking, reading and writing.

Mathematical – Understand and appreciate relationships and patterns in number and space and to develop their capacity to think logically and express themselves clearly. Understanding should come from practical activity, exploration and discussion.

Scientific – Knowledge and understanding of nature, materials and forces. Develop skills associated with scientific process of enquiry: observing, forming hypotheses, experiments and recording.

Technological – Planning, developing and evaluating good quality products. Using tools, materials and equipment. Responsible and safe use of computing.

Human and social – People and environment, how human action in the past has influence events and conditions.

Physical – Physical control and co-ordination as well as tactical skills and imaginative responses to evaluate and improve performance. An understanding of fitness and health.

Aesthetic and creative – Making, composing and inventing, present in all areas especially Art, Music, drama, dance, literature.

Scheme of Work/ Weekly Programme of Study

Pupils will work at their own rate through HM books. Each lesson will contain an oral element as follows:

1. Algebra formulas
2. Rounding to nearest $1/100$, $1/10$, 1, 10, 100, 1000, 10000.
3. Ordering decimals to 3 dp
4. Square numbers. Triangle numbers. Prime numbers
5. Divisibility tests.

6. LCM and HCF.
7. Measures – metric and imperial.
8. Prime factors.
9. Mental addition and subtraction
10. PGL No lesson
11. Investigation
12. Prime numbers to 20

Adjustments to this scheme may be made to accommodate pupils understanding of concepts.

Differentiation

Differentiated work will be set as appropriate for more able and less able pupils

Cross Curricular Links

English, DT, ICT

Deployment of Teaching Assistants

None

Resources

Heinemann Mathematics 5/6/7

Other resources as detailed in daily lesson plans

LCT