

Numeracy

Place value and number work to 1000000;
Roman Numerals; Fractions and Decimals;
Number sequences involving fractions and decimals; column addition and subtraction; mental maths; rounding; multiples and factors; **prime numbers**; multiplication facts; multiplying and dividing by 10, 100 and 1000; **squared and cubed**; compare and order fractions; add fractions; improper fractions and mixed numbers; **links between fractions and decimals**; **order numbers with three decimal places**; recognizing and solving basic percent problems; **converting between units of measure**; **perimeter, area, capacity and volume**; **converting between units of time**; 2D and 3D shapes; drawing and measuring angles; reflection and translation;
statistics.

History

Children and Schools

- Victorian Schools
- Childhood Labour
- Dr Barnardo

The Wider World

- Florence Nightingale
- Mary Seacole
- Crimean War and Military Technology
- The British Empire

Life in Victorian Britain

- Jobs and Inventions
- Queen Victoria
- Industrial Revolutions

RESOURCES: [Mary Seacole and Florence Nightingale Southwark Resource Library Kit](#)

PSHE

PATHS, P4C, MIND UP

Displays

Outside classroom: Little Match Girl

Inside classroom: Forces and Machines / Earth, Sun, Moon and Space; Victorians; Literacy Working Wall; Numeracy Working Wall; PATHS display.

Literacy - Victorians

Little Match Girl - Nina Birch Unit

Street Child - Nina Birch Unit

Traditional Tales

Factual - Dr Barnardo and Ragged Schools

Link to Homeless Charity



The Industrious Victorians

YEAR 5 SPRING

Art

- Silhouettes
- Impressionism / Pointillism
- Still Life Sketching

P.E.

Swimming
Judo

D&T

Simple Machines

- Make a pulley out of coat hangers and other materials
- Make a lever catapult out of coat hangers and elastic bands

Machines

Make a machine which includes lever, springs, pulleys and gears. They must design the device, select the materials and build the device and test it until it works.
Cam toys.

RESOURCES:

Balsa Wood, Drills, Saws, Glueguns.

Computing

- Understanding computer networks including the internet; how they can provide multiple services, such as the World Wide Web.
- Use technology safely, respectfully and responsibly

RESOURCES:

ICT Suite

Music

Planned and taught by Southwark Music
Ukelele lessons

MFL

Spanish
Planned and taught by Pablo

Science

Properties and changes of materials

Pupils should be taught to:

- compare and group together everyday materials on the basis of their properties
- know that some materials will dissolve in liquid to form a solution
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials,
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible

Forces

Pupils should be taught to:

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect

Trips/Visitors:

Educational Visit:

Ragged School Museum
The Brunel Museum

Visitors: Freshwater/Theatre groups