

Inventions

Autumn Term 2017

A theme encompassing:

I am an inventor because... Understanding that inventing is something we all do and can be little ideas. Links to problem solving. Emphasis on being 'inventive' in art, cooking, dance, ideas etc. Not just designing machines.

Link with learning friends, and what helps us to be inventive and creative.

ART and DESIGN –

Designing, making and evaluating our own inventions. Design toys – linked to book 'Galimoto'. Using tools to cut, shape, join and finish. Design a class museum of inventions. Outdoor learning – using a range of materials and skills. Detailed, labelled drawings.

ENGLISH

Reading:

- Daily shared reading in class for pleasure.
- Group reading, developing ability to 'infer' information from the text and illustrations.
- Making links across texts and with real life.
- Maintaining and developing a culture of sharing texts and making recommendations being open for all children.
- Checking that the text makes sense to them as they read, and correcting inaccurate reading.
- See language as another area in which to be creative, e.g. the new vocabulary created by Roald Dahl in his books.

Writing:

- Writing in a range of forms linked to learning about inventions and being inventive.
- Composing sentences orally first.
- Reading writing back to check it makes sense.
- Learning new spelling patterns (e.g. -ed and -ing endings).
- Applying new and previously taught spelling patterns in writing.
- Developing handwriting so that it sits on the line, is correctly sized and formed and start to join.

PE

- Maintain or develop a positive attitude to physical education and exercise.
- Understand that you can be inventive in P.E. too.
- Take part in gymnastic work, developing balance, agility and co-ordination.

MATHS

Maintain/establish positive attitudes to maths and a 'can do' attitude, linked to learning about different approaches to problem solving and what it means to learn maths.

Number and Place Value.

- Representing, comparing, reading and writing 2-digit numbers.

Addition and Subtraction.

Mental and written methods of calculating.

HISTORY

- Changes in living memory
- Significant events beyond living memory (e.g. First aeroplane flight)
- Lives of significant individuals in the past (e.g. inventors, artists, scientists, musicians). Emphasising significant women who changed the world.
- West Chilton local museum.
- Time lines of different events and significant people from the past.
- Using historical vocabulary in conversations about the past.

OTHER CURRICULUM LINKS

Computer Coding – Understanding that algorithms are instructions and how to give clear instructions. Debugging simple sets of instructions.

Wellbeing – New beginnings, safety (secrets), Good to be Me, Pants are Private.

Music – South African music – appraising music, singing, composing and performing. Responding to music with art.

Art - Art appreciation of abstract art and the artists who made them.

Visiting theatre group.

Cooking – Making choices about ingredients, process and presentation to invent own dish.

R.E. – Exploring the question: Is it possible to be kind to people all the time?

SCIENCE

- Everyday materials and their uses.
- Identify and use materials for different purposes.
- Describe and group the properties of everyday materials.
- Compare the suitability of a variety of everyday materials.
- Find out how materials can be changed by squashing, bending, twisting and stretching.

TEXT/RESOURCES

Galimoto (Karen-Lynn Williams)
Violet the Pilot (Steve Breen)
Mrs Armitage (Quentin Blake)
Once Upon an Ordinary School Day (Colin McNaughton)
Leon and the Place Between (Angela McCallister)
It's not a box (Antoinette Portis)
The Most Magnificent Thing (Ashley Spires)
Iggy Peck Architect, Ada Twist Scientist, Rosie Revere Engineer (Andrea Beaty)
A sailing boat in the sky (Quentin Blake)
Girl & Robot Est 1892 (video).
WALL-E/Hugo Films
Variety of Non-fiction texts