

# Inventions

Autumn Term 2017

## What is this theme about?

"I am an inventor because..." Sometime using your imagination or having an idea can lead onto inventions. It can be something small, it doesn't have to change the world. Problem solving skills and creative emphasis on art, cooking, dance. Focus on being different/unique. Link with learning friends.

## ART and DESIGN –

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

## READING

Understanding texts (discuss events, predict events, link reading to own experience, join in with stories or poems, infer what characters are like from actions and discuss favourite words and phrases.)

## WRITING

To write with purpose (say first and then write to tell others about ideas, write for a variety of purposes.)

To use imaginative description (use adjectives to add detail)

To organise writing appropriately (re-read writing to check it makes sense, use the correct tenses.)

To use sentences appropriately (write so that other people can understand the meaning of sentences, sequence sentences to form a short narrative.)

To analyse writing (discuss writing with the teacher and other pupils.)

## PE -

- Key skills including taking part, team work, trust and co-operation, turn taking, leadership and co-operation, listening to and following instructions.
- Healthy bodies eg importance of exercise, healthy eating, drinking water, stretching etc.
- Dance and movement skills
- Ball skills, hand-eye co-ordination

## MATHS –

To know and use numbers • Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. • Count, read and write numbers to 100 in numerals. • Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. • Given a number, identify one more and one less. • Identify, represent and estimate numbers using different representations, including the number line. Use the language of: equal to, more than, less than (fewer), most and least.

## 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

**Computing-** coding, using the chrome books / Ipads, esafety.

**Wellbeing** – new beginnings, good to be me, esafety, pants are private, myself and others, family, friendships

**Music-** keeping a beat, clapping in time, taking part in singing accurately following a melody.

**Art** - Responding to music with art. Art appreciation of a range of artists and styles.

**Cooking** – eg biscuits, crumble, soup, fruit salad, making playdough with different ingredients - making choices about ingredients, process and presentation to invent own dish.

**Other activities-** Visiting theatre performance and workshop, visiting parents/grandparents Braille/sign language, new words eg Roald Dahl, Shakespeare.

**R.E.** – (Christianity) the Creation Story and the Christmas Story

## 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 thePiolet (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)  
Girl & Robot Est 1892 video.  
A Sailing Boat in the Sky (Quentin Blake)  
WALL-E  
Hugo