

Science

- Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.
- Explain that animals including humans have offspring which grow into adults.
- Explain the basic needs of animals, including humans, for survival (which are food, air and water).
- Describe the importance for humans of exercise and eating the right amounts of different types of food.
- identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
- identify and describe the basic structure of a variety of common flowering plants, including trees. observe changes across the four seasons
- observe and describe how seeds and bulbs grow into mature plants find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
- observe and describe weather associated with the seasons and how day length varies.
- distinguish between an object and the material from which it is made
- identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- describe the simple physical properties of a variety of everyday materials
- compare and group together a variety of everyday materials on the basis of their simple physical properties.

Art

- to use a range of materials creatively to design and make products.
- to use drawing and painting to develop and share their ideas, experiences and imagination.
- to develop a wide range of art and design techniques in using colour, pattern and texture.
- about the work of a range of artists, and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.

Design and technology

design purposeful, functional, appealing products for themselves and other users based on design criteria.

select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing.

explore and evaluate a range of existing products. build structures, exploring how they can be made stronger, stiffer and more stable.

Cooking and Nutrition
use the basic principles of a healthy and varied diet to prepare dishes

Physical education

- master basic movements including running, jumping, throwing and catching, as well as developing balance, agility and co-ordination, and begin to apply these in a range of activities
- participate in team games, developing simple tactics for attacking and defending
- perform dances using simple movement patterns

Geography

name and locate the world's seven continents. name, locate and identify characteristics of the four countries.

identify seasonal weather patterns in the United Kingdom and the location of hot and cold areas of the world in relation to the Equator and the North and South Poles.

use world maps, atlases and globes to identify the United Kingdom and its countries, as well as the countries, continents and oceans studied at this key stage

use simple compass directions (North, South, East and West) and locational and directional language [for example, near and far; left and right], to describe the location of features and routes on a map

use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment.

Computing

Pupils should be taught to:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- use technology purposefully to create, organise, store, manipulate and retrieve digital content

History

- changes within living memory. Where appropriate, these should be used to reveal aspects of change in national life
- the lives of significant individuals in the past who have contributed to national and international achievements.
- significant historical events and places in their own locality.

Music

- use their voices expressively and creatively by singing songs and speaking chants and rhymes
- play un-tuned instruments musically
- listen with concentration and understanding to a range of high-quality live and recorded music
- experiment with, create, select and combine sounds using the inter-related dimensions of music (pitch, dynamics, tempo).