

Science



Moving, Growing and Eating

National Curriculum Links:

Pupils should be taught to:

- Identify that animals, including humans, need the right types and amounts of nutrition, and that they cannot make their own food
- Identify the different types of teeth in humans and their simple functions
- Identify that humans and some animals have skeletons and muscles for support, protection and movement

Learning Outcomes

Children will be able to:

- Identify foods for growth and foods for energy
- Identify food that damages their teeth
- Understand that animals including humans need to eat in order to grow and be active
- Investigate the diet of animals
- Understand an adequate and varied diet is needed to keep healthy
- Name and identify the functions of human teeth
- Explain why it is important to look after our teeth and gums
- Explain why we have two sets of teeth
- Compare the teeth of carnivores and herbivores, suggesting reasons for the differences
- Know that life processes common to humans and other animals include nutrition, movements, growth and reproduction
- Explain that the heart acts as a pump to circulate the blood through vessels around the body, including through the lungs
- Explain the effect of exercise and rest on pulse rate
- Explain that humans and other animals have skeletons and muscles to support and protect their bodies and to help them move
- Explain the main stages of the human life cycle
- Explain the effects on the human body of tobacco, alcohol and other drugs, and how these relate to their personal health

The Digestive System

National Curriculum Links:

Pupils should be taught to:

- Describe the simple functions of the basic parts of the digestive systems in humans

Learning Outcomes

Children will be able to:

- Identify the main body parts associated with the digestive system
- Explain the functions of these main body parts
- Describe the processes involved as food is digested by the human body.

Scientific Enquiry: Which drink rots teeth the quickest?

Physical Education

Multi-skills

National Curriculum Links

Pupils should be taught to:

- Use running, jumping, throwing and catching skills in isolation and in combination
- Play competitive games and apply basic principles suitable for attacking and defending
- Develop flexibility, strength, technique, control and balance
- Use a range of strokes effectively
- Swim competently, confidently and proficiently

Willow Class

Let's Get Moving

September 2020: 'And How Are You?' Whole School Theme

Health and Well-Being, Mindfulness, Team Building and Friendship.

Foreign Languages

French: Bonjour et En Forme (keeping fit)

National Curriculum Links

Pupils should be taught to:

- Listen attentively to spoken language and show understanding by joining in and responding
- Explore the patterns and sounds of language through songs and rhymes
- Appreciate stories, songs, poems and rhymes in French

Learning Outcomes:

Children will be able to:

- Greet each other and introduce themselves
- Describe each other using language for main body parts

PSHE

COVID Catch-up (CC) - Stand-alone work

Stand-alone Unit: Living in the Wider World (Year 2) CC

Pupils should be taught:

About respect for self and others and the importance of responsible behaviours and actions.

About rights and responsibilities as members of families, other groups and ultimately as citizens.

About different groups and communities and how to respect their diversities.

About the importance of respecting the environment.

About the importance of money and how to manage it, including an understanding of enterprise.

(These objectives will be covered through many of the Year 3 PHSE lessons or through stand-alone activities)

Learning Outcomes:

Children will be able to:

- Understand and appreciate the importance of a healthy balanced lifestyle
- Understand we all have a responsibility for looking after ourselves
- Understand the importance of effective regular exercise and the benefits our body receives
- Appreciate and understand what happens to our body throughout different levels of exercise
- Understand what a healthy diet consists of
- Appreciate and respect others' opinions and values

Music

Let Your Spirit Fly / Mamma Mia

National Curriculum Links

Pupils should be taught to:

- Play and perform in solo and ensemble contexts by playing musical instruments with increasing accuracy, fluency, control and expression
- Improvise and compose music for a range of purposes
- Listen with attention to detail and recall sounds

Topic-Based English

All About Me & Information Booklets

National Curriculum Links

Pupils should be taught to:

- Develop positive attitudes to reading and understanding of what they read by increasing their familiarity with a range of books and text types
- Discuss the words that capture the readers interest
- Retrieve and record information from fiction and non-fiction books
- Plan, draft, write, evaluate and edit their written work
- Read aloud their own writing, using appropriate intonation and controlling the tone and volume so that the meaning is clear
- Increase the legibility, consistency and quality of their handwriting
- Proof read for spelling and punctuation errors

Learning Outcomes:

Children will be able to:

All About Me

- Describe themselves and write about their family, friends, hobbies and favourite foods.

Information Booklets

- Carry out and collate research on various aspects of the human body
- Write poems about ourselves and our bodies/skeletons
- Write explanations describing how the digestive system works

Design Technology

Savoury Muffins

National Curriculum Links

Pupils should be taught to:

- understand and apply the principles of a healthy and varied diet
- prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques
- understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

Learning Outcomes

Children will be able to:

- Divide food into different groups that form part of a healthy diet
- Examine a variety of different fillings, considering flavours and textures.
- Design and plan a savoury muffin for a particular purpose and audience.
- Create a savoury muffin using a range of cooking techniques.
- Evaluate a finished product.

Computing

COVID Catch-up (CC) - Stand-alone w

Stand-alone unit: On-screen programming

(Year 2 objectives) CC

National Curriculum Links

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.

Learning Outcomes

Children will:

- Shown how floor robots can be represented on digital devices.
- Begin to apply their knowledge of programming floor robots to controlling on-screen sprites.
- Create simple programs to control on-screen sprites.
- Find errors in their own and given programs.
- Predict the outcome of their own and given programs.

Designing a computer game and controller

National Curriculum Links:

Pupils should be taught to:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems
- Solve problems by decomposing them into smaller parts

Learning Outcomes

Children will be able to:

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs



Maths

COVID Catch-up (CC) - Stand-alone work

Stand-alone Unit: Properties of Shape (Year 2 objectives) CC

National Curriculum Links

Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.

□ Identify 2-D shapes on the surface of 3-D shapes, for example, a circle on a cylinder and a triangle on a pyramid.
Compare and sort common 3D shapes.

National Curriculum Links Years 3 (Chestnut & Willow)

Number - Place Value

Pupils should be taught to:

- Read and write numbers up to 1000 in numerals and in words
- Identify, represent and estimate numbers using different representations
- Find 10 or 100 more or less than a given number
- Recognise the place value of each digit in a 3-digit number
- Order and compare numbers to 1000
- Count from 0 in multiples of 50 and 100
- Solve number problems and practical problems involving these ideas

Number - Addition and Subtraction

Pupils should be taught to:

- Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds
- Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- Estimate the answer to a calculation and use inverse operations to check answers
- Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Outdoor Learning Opportunities

Natural sculptures

- Children can create a sculpture from natural materials based on the work of Andy Goldsworthy.

Moving & Growing

- Children can demonstrate their knowledge of the human skeleton by creating skeletons using natural materials.
- Investigating different movements and how their body reacts.

The Digestive System

- Carry out 'From Food to Poo' activity.

Art & Design

Natural Sculptures

COVID Catch-up (CC) - Stand-alone work

Stand-alone Unit: (Year 2 objectives) CC

National Curriculum Links

Pupils should be taught:

To use a range of materials creatively to design and make products.

To use drawing, painting and sculpture to develop and share their ideas, experiences and imagination.

To develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space.

About the work of famous sculptors for eg Andy Goldsworthy, describing the differences and similarities between different practices and disciplines and making links to their own work.

Learning Outcomes

Children will:

Observe patterns and shapes in our school outdoor environment.

Use natural materials for different artistic purposes for eg.

Sculptures, pictures, picture frames.

Look at the work of sculptors, including, Andy Goldsworthy and recreate sculptures using similar techniques and patterns.

Religious Education

(Discovery RE Syllabus)

Year 3 (Willow) - Sikhism

Learning Outcomes:

Children will be able to:

- Express how it feels to be part of a group.
- Describe what might motivate a Sikh to go through the Amrit Ceremony and what happens during this.
- Identify similarities between my experiences of joining and belonging and a Sikh's experience of the Amrit Ceremony / Khalsa.

P4C: Does joining the Khalsa make a person a better Sikh?

Mastering Mathematics

- ✓ Make and record careful measurements of the human body in Science.
- ✓ Make careful measurements in Design & Technology.

Mastering English

- ✓ Create information texts about the human body.
- ✓ Write an explanation about the digestive system.