

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

Let's Get Moving



Religious Education

(Discovery RE Syllabus)

Year 4 (Chestnut and Maple) - Judaism.

Learning Outcomes:

Children will be able to:

- Explain why agreements are important and why they should be kept.
- Explain what makes Jewish people believe they have a special relationship with God.
- Explain some of the ways Jewish people express their special relationship with God and understand how that might feel.

P4C: How special is the relationship Jews have with god?

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.

PSHE

Healthy Lifestyles

National Curriculum Links (PSHE Association):

Pupils should be taught to:

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

Foreign Languages

French: Bonjour et En Forme (keeping fit) and Fruit and Food / Leisure and Hobbies (CC)

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

Keeping Fit: Fruit & Food / Leisure & Hobbies (CC)

Learning Outcomes:

Children will be able to:

- Name several fruit and food items
- Hold a conversation about which foods are good / bad for your health
- Name some well-known sports
- Discuss likes / dislikes of different sports.

Mastering English

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

Topic-Based English

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:

- 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.

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

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

Computing

Designing a computer game and controller and On Screen Programming (CC)

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.

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 be able to:

- 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



Outdoor Learning Opportunities

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.

Natural sculptures

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

COVID Catch- Up (CC) - Standalone Work

Art and Design: Natural Sculptures (Year 2 Objectives)

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 e.g. 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 environment,
- Use natural materials for different artist purposes e.g. sculptures, pictures, picture frames.
- Look at the work of sculptors including Andy Goldsworthy and recreate sculpture using similar techniques and patterns.

COVID Catch- Up (CC) - Standalone Work

PSHE: Living in the Wider World - Rights, Responsibilities, Taking Care of the Environment and Money Matters

National Curriculum Links (PSHE Association):

Pupils should be taught:

- About respect for self and others
- 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
- To respect equality and to be a productive member of a diverse community
- About the importance of respecting and protecting the environment
- About where money comes from, keeping it safe, and the importance of managing it effectively
- How money plays an important part in people's lives
- A basic understanding of enterprise

Music

Let Your Spirit Fly / Mamma Mia

National Curriculum Links

Pupils should be taught to:

- Play and perform in solo and ensemble contexts, using their voices and 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

Maths

Standalone Unit: Geometry: Properties of Shape (Year 3 Objectives) (CC)

National Curriculum Links:

Pupils should be taught to:

- Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
- Draw 2d shapes and made 3d shapes using modelling materials.

National Curriculum Links Year 4

Number - Place Value

Pupils should be taught to:

- Find 1000 more or less than a given number
- Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)
- Order and compare numbers beyond 1000
- Identify, represent and estimate numbers using different representations
- Round any number to the nearest 10, 100 or 1000
- Solve number and practical problems that involve all of the above and with increasingly large positive numbers
- Count backwards through zero to include negative numbers.

Number - Addition and Subtraction

Pupils should be taught to:

- Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- Estimate and use inverse operations to check answers to a calculation
- Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.

Maths

Standalone Unit: Geometry: Properties of Shape (Year 2 Objectives) (CC)

National Curriculum Links:

Pupils should be taught to:

- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- 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 2-D and 3-D shapes and everyday objects.

National Curriculum Links: Year 3

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