

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

Computing



Interactive Information Book

National Curriculum Links

Pupils should be taught to:

- Select, use and combine a variety of software on a range of digital devices to design and create content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- Use search technologies effectively and to be discerning in evaluating digital content

Learning Outcomes

Children will be able to:

- Use search engines safely to locate information and images on the web
- Evaluate search results in terms of bias and accuracy
- Select and use appropriate software to produce an information booklet
- Use videos and web links to add interactivity to their work
- Refine and edit their work independently
- Save and load work, and use folders to organise



Design Technology

Moving Skeletons:

National Curriculum Links

Pupils should be taught to:

- Generate, develop and model their ideas through discussion and annotated sketches
- Evaluate their ideas and products against their own design criteria

Learning Outcomes

Children will be able to:

- Generate a set of appropriate design ideas
- Identify appropriate materials and tools for their design
- Make design alterations, giving reasons for doing so
- Make a moving skeleton that meets the original criteria

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

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

Physical Education

Indoor and Outdoor Games / Swimming

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

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

Mastering English

Learning Outcomes

Children will be able to:

- Create information texts about the human body

Religious Education

Christianity: Jesus

RE SoW (Northumberland Agreed Syllabus

Pupils should learn:

- That Christians believe that Jesus is the son of God and is referred to as Christ
- About stories explaining how Jesus helped people
- About the effect that Jesus had on the people who met him

Maths

National Curriculum Links *Year 4 (Chestnut, Maple & Willow)*

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 and Place Value

- 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

Mastering Mathematics

Learning Outcomes

Children will be able to:

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

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.

Maths

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

PSHE

Healthy Lifestyles

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