

# How do animal skeletons differ?

## Year 3 Autumn 1 2023



### Science

Intent: To identify the functions of skeletons and how muscles operate in the body.

#### SEQUENCE OF LESSONS

1. Name a variety of animals that have a skeleton.
2. Identify that humans have a skeleton and can name parts.
3. Discuss the functions of animal skeletons.
4. Name and identify muscles in the human body.
5. Discuss functions and how muscles operate in the body.
6. Investigate how muscle size affects performance.

**Key Vocabulary:** backbone, bones, contract, elbow, endoskeleton, exoskeleton, joints, muscles, organs, protect, relax, skeleton, support, tendons, vertebrate

Impact: Children can name parts of the skeleton and muscles in the body. They can also identify functions and how human skeletons differ to animals.

### Geography

Intent: To describe directions on maps using the eight point compass and four figure grid references

#### SEQUENCE OF LESSONS

1. Know what a compass is and why we use one.
2. Use the four compass points to describe directions.
3. Identify the eight points on a compass.
4. Use the eight compass points to describe directions.
5. Use four-figure grid references.
6. Describe locations with use of both eight compass points and four figure grid references.

**Key Vocabulary:** compass, north, east, south, west, grid reference.

Impact: Children can use maps effectively, describing position and direction.

### Art

Intent: To communicate ideas through drawing, linking the Cubism approach.

#### SEQUENCE OF LESSONS

1. Communicate ideas and experiment with techniques through sketching.
2. Use nature for inspiration and add tone to a drawing using different techniques.
3. Compare the work of different artists within the Cubism movement and identify significant characteristics of this style of artwork.
4. Use and combine a range of visual elements to create a piece of artwork.
5. Make suggestions for ways to adapt and improve a piece of artwork

**Key Vocabulary:** colour, line, shape, pattern, Cubist movement

Impact: Children can create a piece of artwork using different techniques to add texture and form and adopt a Cubism approach.

### RE - Diwali (Hinduism)

Intent: To know about the practices and ways of life of a Hindu.

#### SEQUENCE OF LESSONS

1. To understand what it feels like to have a sense of belonging.
2. To know the story of Rama and Sita which represents good versus evil.
3. Learn how Hindus celebrate Diwali.
4. To understand the strong sense of belonging both to the families and the Hindu community.
5. To understand why Hindus celebrate Diwali and how it is different for a Hindu child.
6. To bring together all that has been learnt.

**Key Vocabulary:** Brahman, life cycle, Vishnu, Shiva, qualities, role, Ganesha, Lakshmi

Impact: To investigate what happens during the festival of Diwali and whether the celebrations bring a sense of belonging to Hindus.

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### PSHE (Getting to know each other)

Intent: To understand what makes us special and what makes us work together as a group.

#### SEQUENCE OF LESSONS

1. Getting to know each other recognizing worth and achievements.
2. Learning to face new challenges positively, making responsible choices.
3. To understand why rules are needed and how they relate to rights and responsibilities.
4. To understand how actions affect myself and others.
5. To make responsible choices and take action.
6. Understand how actions affect others.

**Key Vocabulary:** welcome, valued, achievements, proud, pleased, personal goal, praise, acknowledge, affirm.

Impact: To make everyone feel welcomed and valued and to create a class charter to respect and follow.

### Computing - Online Safety and Spreadsheets

Intent: To understand how we stay safe online.  
To use spreadsheet tools to represent Data.

#### SEQUENCE OF LESSONS

1. To understand the importance of keeping passwords safe.
2. To understand that what is read on websites is not always true.
3. To understand why we use age restrictions on digital media.
4. To understand how charts can be made from a table of data.
5. To use a range of tools to solve calculations in 2Calculate.
6. To understand how to describe cells using their addresses

**Key Vocabulary:** data, protection, secure, spreadsheet, data, column, cell, bar chart, pie chart, formula, addresses.

Impact: Children understand a number of ways to stay safe online. They know how to represent data on spreadsheets in different ways.

### PE - Tag Rugby and Gymnastics

Intent: to show good control and coordination when carrying out movements.

#### SEQUENCE OF LESSONS

1. To be able to evade and tag opponents
2. To be able to evade opponents while keeping control of the rugby ball.
3. To be able to pass the ball accurately and receive the ball safely on the move.
4. To be able to apply learned skills in a game of tag rugby.

**Key Vocabulary:** Evade, collision, passing, forward, backwards, try, pass, sideways, backwards, receiver.

#### SEQUENCE OF LESSONS

1. Perform static body shapes.
2. Make body shapes in the air.
3. Carry out rhythmic gymnastics moves.
4. Perform a rhythmic gymnastics routine.
5. Create symmetrical shapes.
6. Apply the gymnastics skills learnt.

**Key Vocabulary:** Straddle jump, straight jump half turn, squat on vault, take-off, tucked backward roll, unison, vaulting box, handstand, hurdle step, landing, lunge, pike, rebound, springboard.

Impact: Children will apply learned skills in a game of tag rugby.  
Impact: Children can perform a gymnastics routine.



### Music

Intent: to learn, improvise and compose an R&B song

#### SEQUENCE OF LESSONS

1. Listen and appraise the song 'Let your Spirit Fly'.
2. Musical activities - learn to sing the song.
3. Musical activities - Improvise with the song.
4. Musical activities - Compose with the song.
5. Perform the song.

**Key Vocabulary:** keyboard, drums, bass, imagination, improvise, compose, disco, pentatonic scale, pulse, rhythm, pitch, tempo, dynamics, texture structure, hook, riff, melody.

Impact: Children can sing and play instruments to accompany a song