



Art:

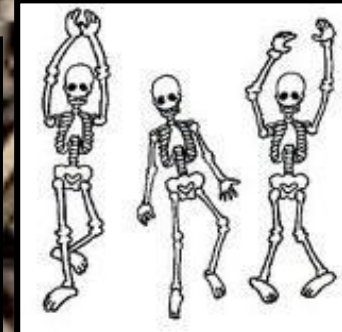
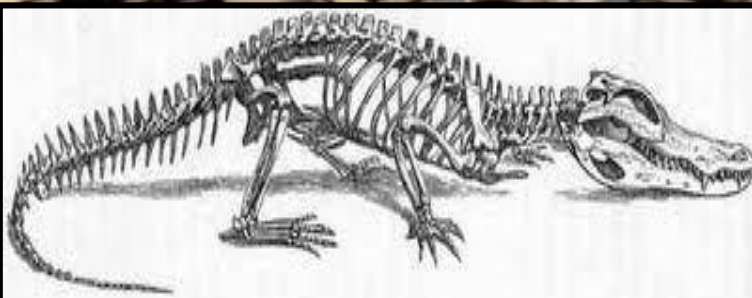
The moving body in art:

- Children use their understanding of the human skeleton to draw/paint movement in a more realistic way.
- Reference to painters showing movement of the body: *Renior, Lowry, Hockney, Degas, Perez.*

PE:

Volleyball, Cricket, Handball:

- Understanding how to use their muscles and core strength to achieve balance and control.
- Learning about safety in movements, to protect the health of their head, spine and limbs.
- Understanding agility – how their body moves and balances to allow them to move and dig effectively.



Year 4 Topic Map:

Moving & Growing

Science:

Moving and Growing:

- Identifying the key elements of different skeletons & their specific purposes.
- Classifying bones using a range criteria in order to identify them accurately.
- Researching different animals skeletons & searching for similarities/differences between species.

(Culmination of Solids, Liquids & Gasses unit:)

- Categorising materials based on their properties.
- Understanding scientific processes of melting and freezing and relating these to every day occurrences.
- Experiment to find the freezing/melting point of common materials: *wax, chocolate, water, fruit juice, etc.*
- Consider whether materials change after freezing/melting.
- Use additional sources to research melting of metals and rocks. Collect data on the melting point of materials.

Literacy:

How the body works, grows & moves.

Writing:

- Explanation texts about skeletal and muscular systems. Focus on answering a question with relevant, structured information.
- Use of clauses to give additional information when speaking about complex subjects.
- Planning and organising writing effectively, particularly in relation to organisational features of texts.

Reading:

- **The Great Reading Race:** *children will participate in a reading challenge later this term, to encourage a range of reading and develop positive reading habits.*
- Exploring non-fiction texts to identify key organisational features.
- Scientific research about the human body, animal skeletons, evolution & healthy eating for growth.
- Research and note-taking from reading for use in own writing.

Numeracy:

Measures:

- Measuring parts of the body to identify how the skeleton grows.
- Pattern finding in skeletons – investigating the relationships between parts of their body.

Problem Solving:

- Predicting the height of a person by measuring bones & looking for patterns in their own bodies.

Other subjects taught outside the topic:

- **PE:** Handball (Mr Toby & Miss Mani), Cricket (Miss Cara) & Volleyball (Mr Jason) will be taught in rotation across the entire term.
- **Numeracy:** Understand properties of shapes and apply

this knowledge to classify regular and irregular 2D and 3D shapes. Calculation methods for multiplication and division. Fractions and decimals and how they interrelate. → **Spanish:** Speaking about my body (with Miss Cara). → **Computing:** *Data:* Using data management software to

compile and classify information about animal skeletons. Using branching databases to analyse information. → **Mind-Up / PSHCE:** Having a positive outlook and mindset. How can our mindset influence our attitudes and achievements?