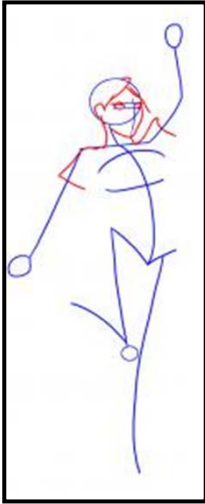
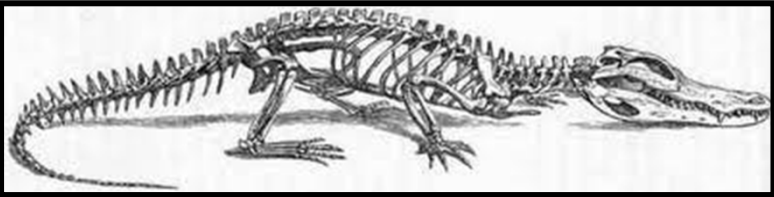


Year 4 Topic Map: Moving & Growing

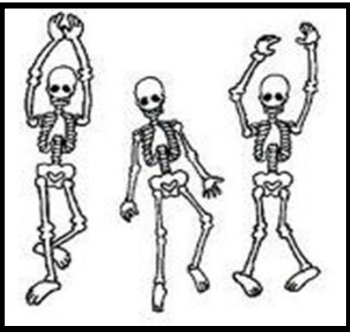


Art:
The moving body in art:
 → Children use their understanding of the human skeleton to draw/paint movement in a more realistic way.
 → Reference to painters showing movement of the body: *Renior, Lowry, Hockney, Degas, Perez.*

PE:
Gymnastics:
 → Children will be working towards performing a gymnastic routine this term, learning about how to control their bodies and movements and how to design a routine.
 → Understanding how to use their muscles and core strength to achieve control.
 → Learning about safety of movements, to protect the health of their head, spine and limbs.
Volleyball:
 → Will be taught by Mrs Nicole.



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 & searching for similarities/differences between species.
Electrical Circuits:
 → A continuation of learning from the Autumn term, children apply their understanding of conductors and insulators to make a display for our human skeleton research.
 → Investigate what happens when more charge is added to a circuit, or more resistance. Understanding the balance between charge and resistance.
 → Learning about electrical safety with mains electricity.



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.

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
Reading:
 → **The Great Reading Race:** children will participate in a reading challenge this term, encouraging a range of reading and developing 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.

Other subjects taught outside the topic:
 → **Numeracy:** Understanding and place value in larger numbers and decimals. Calculating with numbers, decimals and fractions. Data Handling.
 → **I.C.T.:** *Instruction and controls:* children use ICT software to control objects on screen and create patterns and designs.
 → **Spanish:** Pass-times and hobbies.
 → **PSHE:** Getting on and Falling out: Developing positive friendships.