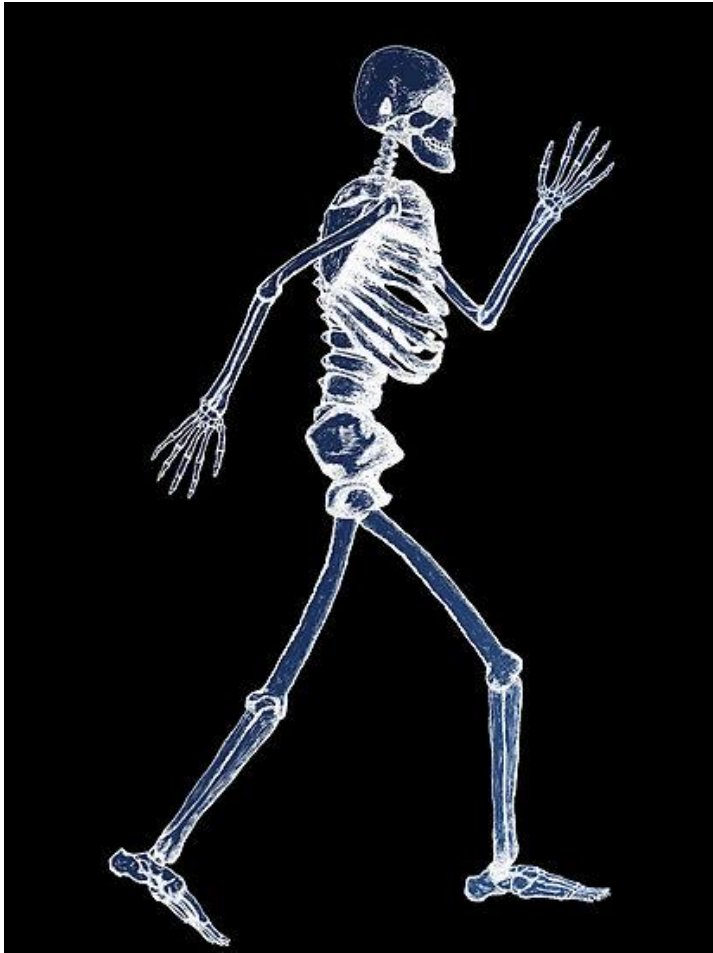
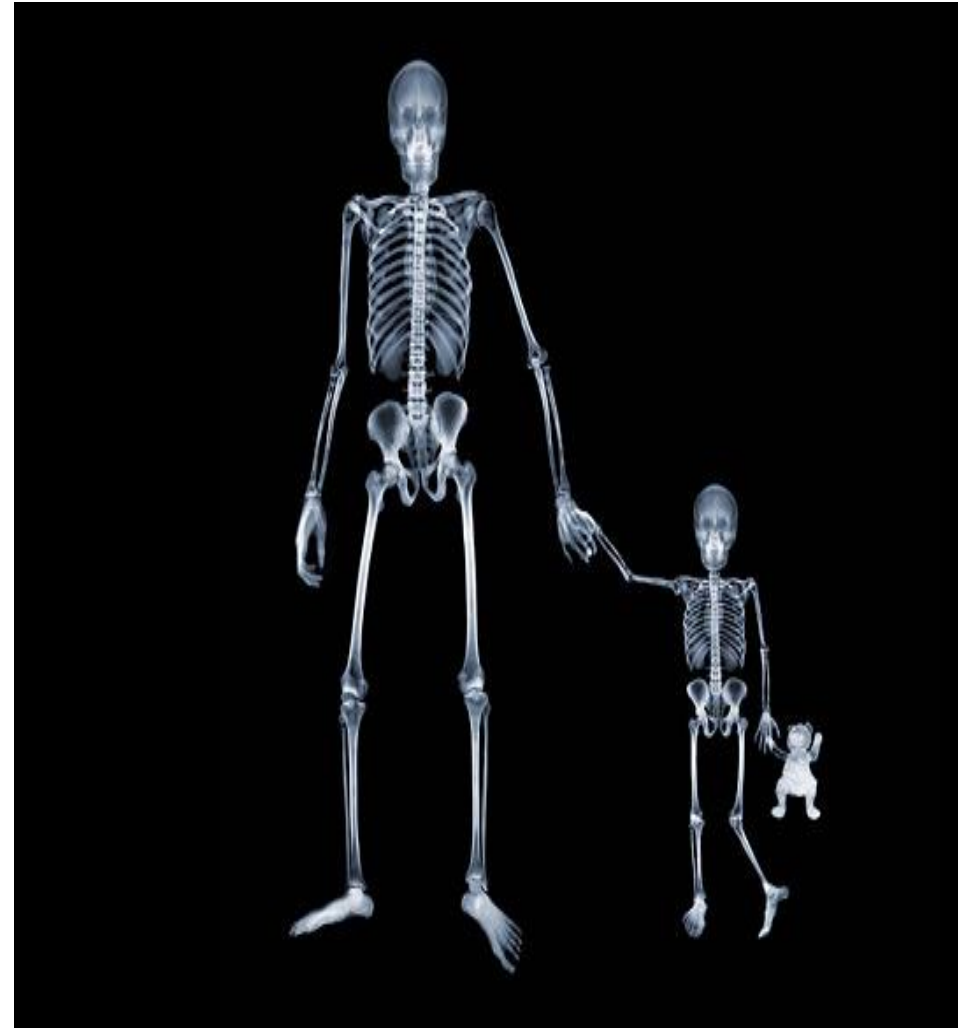


# Damage to the Skeleton



- Bones are very strong but sometime they are placed under lots of stress and can be broken.

- An X-ray can show what's happening inside the body.
- If you break (**FRACTURE**) a bone, it will slowly mend itself.
- It may need the help of a plaster cast or pin to hold it straight.



# What part of the body is this?



# What is wrong in this x-ray?



Broken bones can be strengthened using metal pins and plates.



# Operation Ouch

- [Science for kids | BREAKING BONES | Experiments for kids | Operation Ouch – YouTube](#)
- (up to 7:20)

# Quick Quiz

- How do we fix broken bones?
- What happens if we do not fix a broken bone?
- How much does a skeleton weigh?
  - 15 bricks, 3 bikes or 1 car tyre?
- What was the thinking behind coating a screw in bone-like material? What could it be useful for?



# Joints

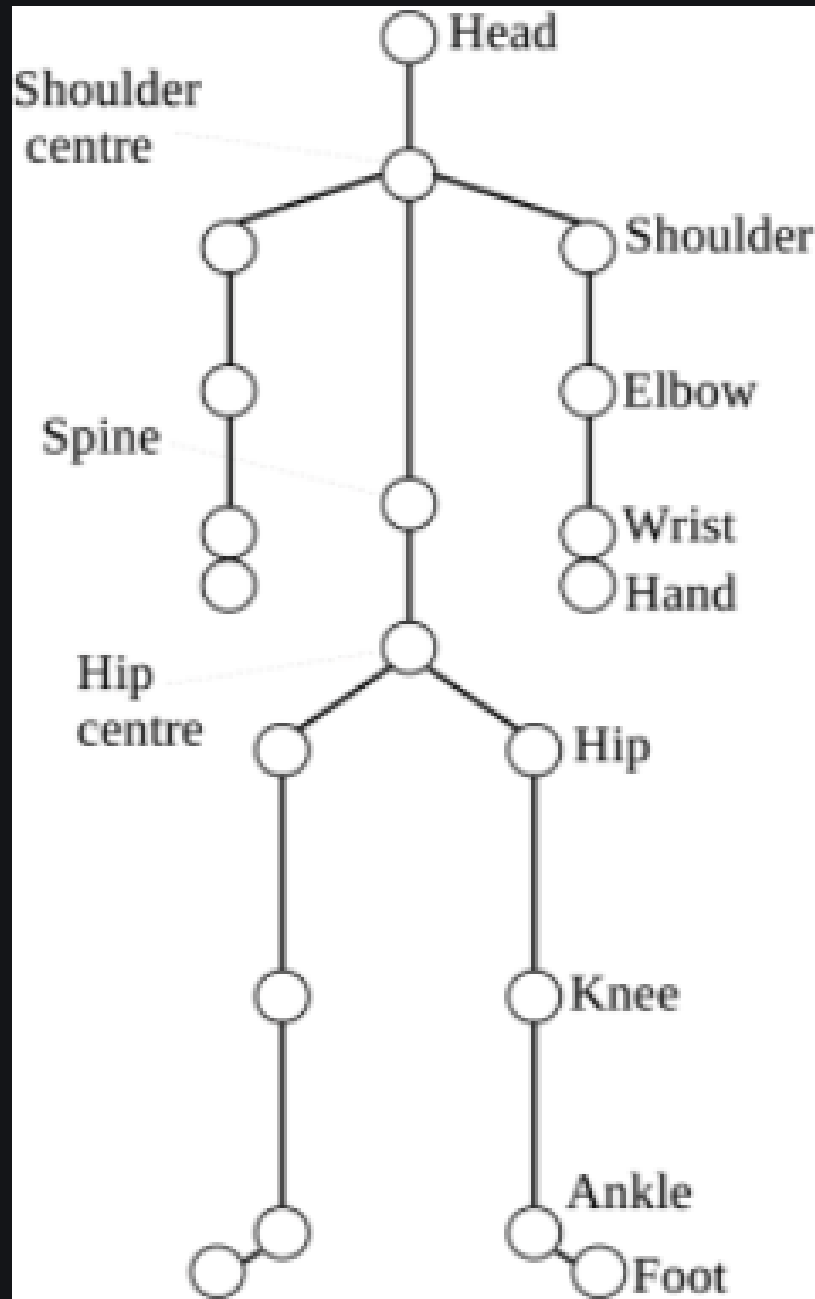


- A **joint** is a place where two bones come together.
- They allow you to twist, turn and bend.

# Think and Discuss!



- Make a list of at least FIVE places on the skeleton where you would find a joint.
- (USE YOUR SKELETON DIAGRAMS TO HELP YOU)



- Joints of the human body.

# Recap

- Describe 3 jobs that bones do. Shape/support, protection and movement
- How do we look at bones? X-ray
- How can broken bones be strengthened? Metal pins or plates
- What is a joint? Where two bones meet
- Give an example of a joint? Elbow, hip, shoulder, neck, wrist, hand, knee etc.