

Patient Name \_\_\_\_\_



Have I evolved differently?

Yes

No



Try the floaty arm experiment

Yes

No



Try the stuck ring finger experiment

Yes

No

How long did you balance on the mat for? \_\_\_\_\_

## Reflex Hammer & Reaction Times

Patellar / Knee

Tricep (back of elbow)

Achilles

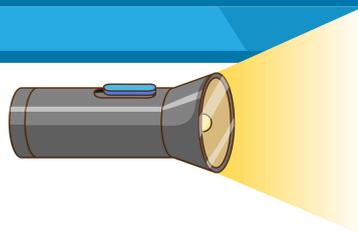
Forearm / Wrist



Using the Blaze Pods, test how quick your reactions are by seeing how many pods you can tap in 30 seconds.

Blaze Pod Score

## Pupil reflexes



### Experiment 1

What happened to the pupil (black dot) when you shone the light into the patients eye?

Bigger

Smaller

### Experiment 2

What happened to the pupil (black dot) in the opposite eye at the same time as shining the light into the other eye?

Bigger

Smaller

# Strength Tests

## Hand Grip Strength

Left Hand \_\_\_\_\_ kg

Right Hand \_\_\_\_\_ kg

**Pull Strength** \_\_\_\_\_ kg

We can also record the electrical signals from our muscles when they contract using an ElectroMyoGram or EMG for short. Tick the box when you have recorded your EMG.

**I have recorded my EMG from my bicep muscle**

Did you know that strength tests are used when someone is training to be a Paramedic!

They have to pass a fitness test to prove they can carry all the equipment they might need at an emergency. This includes strength tests like these as they have to carry heavy bags!

## Ultrasound - Tick the box when completed

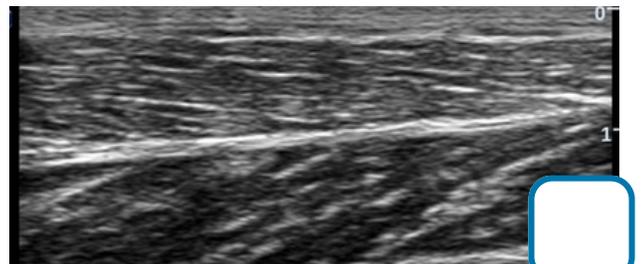
### Growth Plate

Look for your growth plate in your radius bone, just by your wrist. This is what it should look like! The gap is softer bone where your bone growing cells called Osteoblasts build your bone!



### Muscle

Look at the muscles in your arm. You should see the direction of the muscle fibres just like in the image below. Try moving your fingers. Did you see the muscle contract and move on the screen?



## Medical Images: What can you see?

1. \_\_\_\_\_

4. \_\_\_\_\_

2. \_\_\_\_\_

5. \_\_\_\_\_