

Podiatry and School Science – Instructor lesson plan

Aims

This lesson seeks to explore Podiatry and the science of moving and growing

Research Question

Do taller people have bigger feet?

Age range upper primary (year8/9)
Numbers up to 30
Duration approx. 60 mins depending on group size

Equipment

- An open area suitable for walking
- Tape measure/ruler to measure foot length
- Poster paint
- Paper to stand on (with painted feet)

Learning intentions

By the end of the session learners will be able to:

- Identify key features of a research project
- We are going to plan and conduct an investigation
- Investigate what we are measuring

Introduction

Instructor to introduce themselves & their role as a podiatrist + aims from session
Explain that learners will be working in groups

Task 1 Measuring height

1. Each group go and be measure their height.
2. Write the names into the data tables – height order

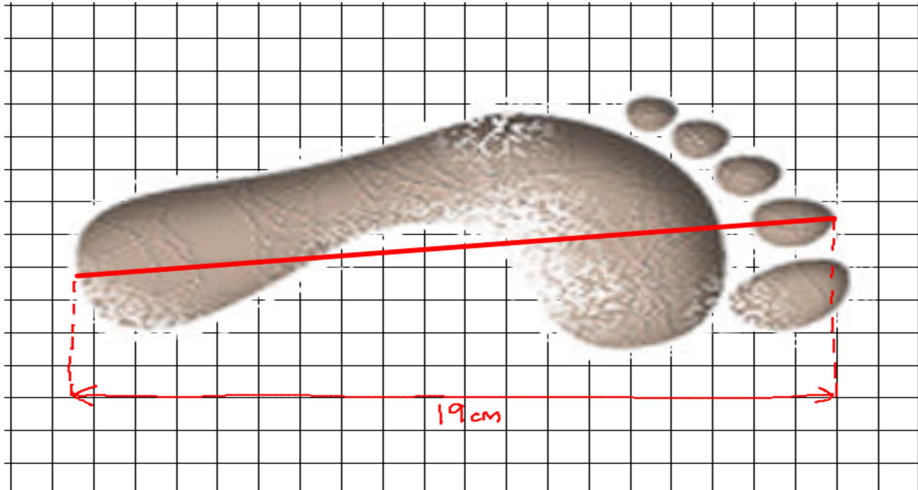
Task 2 Making a footprint

1. Place RIGHT foot carefully into paint and press down firmly on paper
2. Remove foot carefully
3. Place the footprint carefully to dry
4. Don't forget to label the footprint with the persons name

Task 3 Measuring each footprint

- measure from the apex of the heel to the tip of the longest toe

Ask learners Why must we do this the same way for everyone?



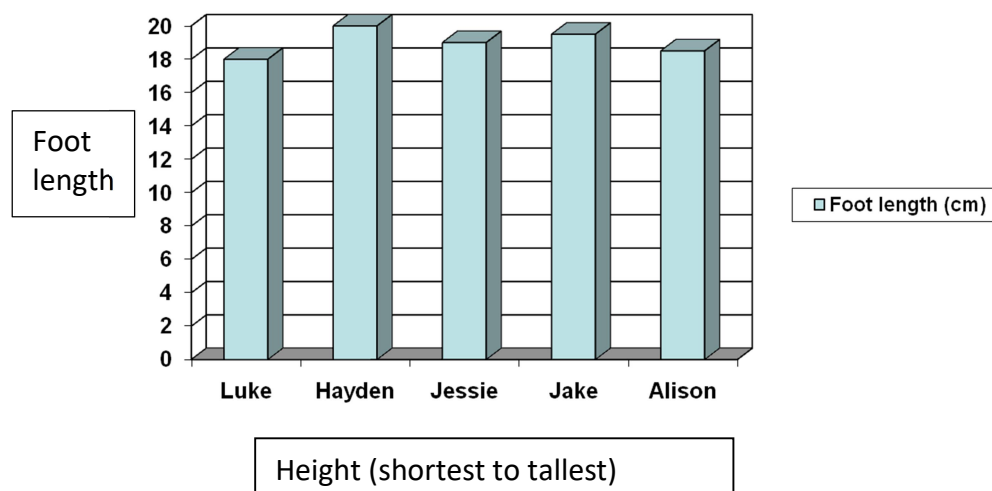
Task 4 Comparing foot length & height

Draw a table with all the data that has been collected

Shortest person	Name	Foot length
	Jim	
Tallest person	Tom	

Task 5 – Present the data in a graph

Learners to draw a bar chart to illustrate their findings



Task 6 – Consider the conclusions & answer the original research question – do taller people have longer feet?