



Exploring a career in Prosthetics and Orthotics



**WE WILL BE STARTING
OUR EVENT SOON...**



Exploring a career
in **Prosthetics
and Orthotics**

Welcome and Introductions



PLAN FOR THE SESSION

- Who's in the room – say hello
- Welcome
- BAPO Patron - Alex Brooker (video)
- Warm up quiz
- Roles within the profession
 - Technician
 - Orthotist (including support workers)
 - Prosthetist (including support workers)
- Subjects that help
- Ways to get into the profession
- Finding out more
- Questions and feedback



Exploring a career
in **Prosthetics
and Orthotics**

Did you know?

A bit about Prosthetists and Orthotists



Exploring a career
in **Prosthetics
and Orthotics**

1 Which of these people worked in P&O before football?



Jamie Vardy



Lauren James



Craig Gordon

Exploring a career
in **Prosthetics
and Orthotics**



Photos from The Sun 2017



2 When was the first prosthetic* made? (*something to replace a missing body part)

- 1) 1942
- 2) 1854
- 3) 950 BC
- 4) 1524



Exploring a career
in **Prosthetics
and Orthotics**

950 BC





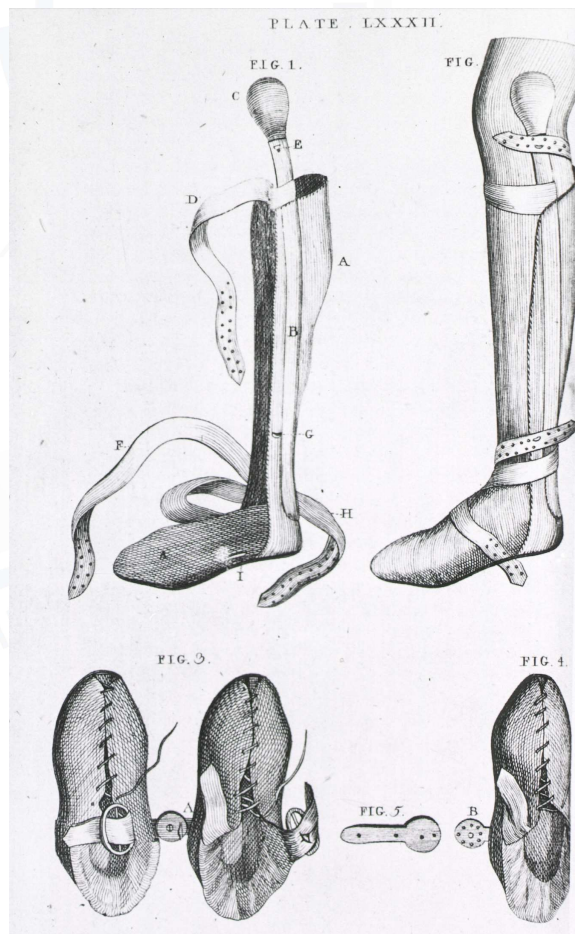
3 When was the first ankle-foot orthosis* made?

(*something to help support a body part that is weak or not properly aligned)

- 1) 1942
- 2) 1875
- 3) 455 BC
- 4) 1791

Exploring a career
in **Prosthetics**
and **Orthotics**

1791



<http://resource.nlm.nih.gov/101435355>



Exploring a career
in **Prosthetics
and Orthotics**

4 What is the difference between Prosthetists and Orthotists?



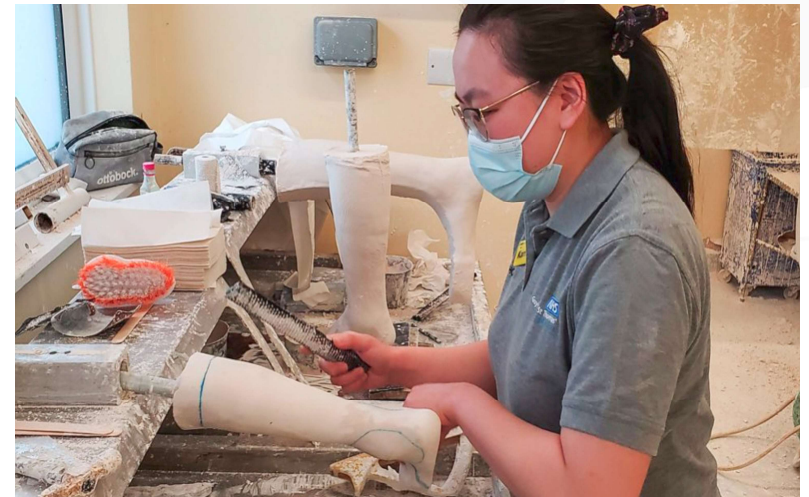
Exploring a career
in **Prosthetics**
and **Orthotics**

Orthoses

To assist an existing body part



<https://www.bbc.co.uk/news/uk-england-nottinghamshire-68320140>



<https://www.bbc.co.uk/bitesize/articles/zw8hxbk>

Exploring a career
in **Prosthetics
and Orthotics**

Prostheses

To replace a missing body part



<https://www.bapo.com/wp-content/uploads/2024/07/Graduate-welcome-pack-final-compressed.pdf>



5 Who do Prosthetists and Orthotists work with?

- 1) Newborn babies**
- 2) Children**
- 3) Adults**
- 4) Older adults**
- 5) Professional sports people inc. Paralympians**
- 6) All of these**



5 Who do Prosthetists and Orthotists work with?

- 1) Newborn babies
- 2) Children
- 3) Adults
- 4) Older adults
- 5) Professional sports people inc. Paralympians
- 6) **All of these**

Exploring a career
in **Prosthetics
and Orthotics**



Roles within the profession

Exploring a career
in **Prosthetics
and Orthotics**



Introducing

Prosthetist

What I love about my job

Exploring a career
in **Prosthetics
and Orthotics**

<https://www.bbc.co.uk/bitesize/articles/zk3b2sg>

Becky's story
Prosthetic student



Exploring a career
in **Prosthetics
and Orthotics**

Introducing Orthotist

What I love about my job



Exploring a career
in **Prosthetics
and Orthotics**



Alan's story
Orthotic technician



Exploring a career
in **Prosthetics
and Orthotics**

Subjects that help...



SCIENCE

Do you know studying **science GCSE and A level** can help you access a course on prosthetics and orthotics?

This subject helps with a career as a **Prosthetist and Orthotist** because you can apply your knowledge of:

- Forces and biomechanics
- Weight limits and torques
- Anatomy and Physiology
- Pathology – understanding when the body goes wrong
- Material science and how the body interacts with different materials

For more information about a career in prosthetics and orthotics, scan the QR

@BAPO.org
 @BAPO2
 BAPO
 @BAPO2

DESIGN AND TECHNOLOGY

Do you know studying **design and technology GCSE and A level** can help you access a course on prosthetics and orthotics?

This subject helps with a career as a **Prosthetist and Orthotist** because you can apply your knowledge of:

- Material science and material choices for devices
- Hands on experience with designing products
- Assembling components
- 3D printing
- Designing new prescriptions with emerging technologies
- Hands on experience that will help you make adjustment of devices, for example trimming splints or prosthetic sockets
- Technical drawing skills
- Graphic design skills
- Precision manufacturing

For more information about a career in prosthetics and orthotics, scan the QR

@BAPO.org
 @BAPO2
 BAPO
 @BAPO2

MATHS

Do you know studying **maths GCSE and A level** can help you access a course on prosthetics and orthotics?

This subject helps with a career as a **Prosthetist and Orthotist** because you can apply your knowledge of:

- Using data to inform decisions
- Using spreadsheets
- Analysing and understanding numerical data

For more information about a career in prosthetics and orthotics, scan the QR

@BAPO.org
 @BAPO2
 BAPO
 @BAPO2

Exploring a career
in **Prosthetics
and Orthotics**

**Transferable
skills from
studying**

STUDY



Do you know your **GCSE** and
A level studies can help
you access a course on
prosthetics and orthotics?



**Your studies could help you
with a career in P&O because
you will have skills in:**

- Being creative
- Design
- Fashion design for bespoke products
- Helping others
- Critical thinking
- Essay writing
- Research
- Finding and using evidence



For more information about a career in
prosthetics and orthotics, scan the QR



@BAPO.org



@BAPO2



BAPO



@_BAPO2

Exploring a career
in **Prosthetics
and Orthotics**

How to get into the profession

Different routes into the profession:

Apprenticeship

Bachelor's degree

Master's degree

<https://www.bapo.com/careers/places-to-study/>

Technicians and support workers inc apprenticeship

<https://www.bapo.com/support-workers-and-technicians/>

Prosthetists and Orthotists

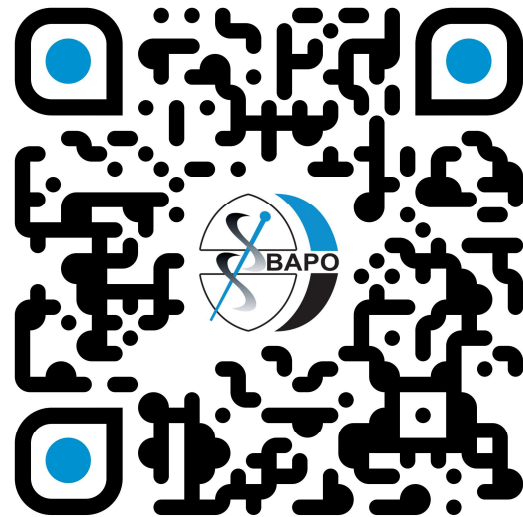
<https://www.bapo.com/careers/>

“
I Am A Mountain!
And down in the valley below
is all that I've overcome.”



Exploring a career
in **Prosthetics
and Orthotics**

Finding out more, questions and thank you



Email:

careersinpando@bapo.com