



Experiences and Outcomes:

TCH 2-11a MNU 2-11a

TCH 2-10a

TCH 2-09a SCN 2-12b

TCH 2-05a

EXA 2-02a

DYW link:

Prosthetic Technician: Prosthetic or orthotic technicians manufacture, maintain and repair various types of prostheses or orthoses such as artificial limbs, splints, braces, or special footwear.

Audiologist: are experts in providing services in the prevention, diagnosis, and evidenced-based treatment of hearing and balance disorders for people of all ages.

Resources required:

Computer or tablet
TinkerCAD
Variety of different materials for e.g. LEGO, cardboard or plastic
Metre sticks or trundle wheels
Variety of different noises e.g. playlists

Activity/Challenge:

- Design a prosthesis that would benefit disabled people in society. Study current designs including those of athletes to explore why different materials are used. Create a prototype of your design and test if it's fit for purpose or using TinkerCAD create an image of your design.
- Conduct a listening experiment and firstly predict and then measure the distance each noise can be heard from. Are different pitches of noise easier to hear at distance than others, why might that be? Discuss the real life challenges of being hearing impaired and the technology available to support hearing. Invite an audiologist in to discuss their job.