



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:

Variety of different materials e.g. LEGO, cardboard or plastic
 Computer or tablet
 TinkerCAD
 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 then try and create a digital image using TinkeCAD.
- Conduct a listening experiment.
Firstly predict, then measure the distance each noise can be heard from. Are different pitches of noise easier to hear at different distances. Why might that be? Discuss the real life challenges of being hearing impaired and the technology available to support this impairment.