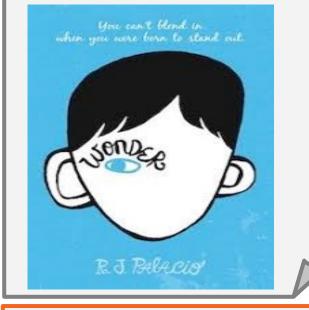
# **L** laStory



### **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

#### **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.

## 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.