

DT - Year 6 - 3.6 Pulleys and Gears: Aerial tramway

What should I already know?

- An aerial tramway is another term for cable cars.
- It is used to transport people and goods between low ground and high ground such as mountains or hills.

Example of an aerial tramway.



Key Vocabulary

Circumference	The distance around the edge of a circle.
Mechanical advantage	When force is increased because a machine is used.
Block and tackle	A system of two or more pulleys working together.
Product	Something that has been created or made
Purpose	The reason for which something is made
Inspiration	Where you got your ideas from
User	The person for whom the product is designed
Component	A part of a larger whole (for example a part of a machine)
Fluency	If you are fluent in something, you do it effortlessly.

Facts about aerial tramways

- The first aerial tramways were used to move soils during mining operations.
- After the First World War, aerial tramways that were used to carry people first appeared in Switzerland.
- Aerial tramways are used in areas where there are a lot of mountains.
- The longest aerial tramway in the world is in Armenia and has a length of 5.7km!