Lord William Armstrong

Key Facts:

- Born in 1810 and died in 1900
- Cragside was his home which he powered by hydroelectricity, the first home in the world to be powered like this.
- He studied law and then became an engineer
- He designed the mechanism to make the swing bridge turn.
- Armstrong Road is named after him.
- He manufactured weapons for use in wars.
- He was an environmentalist and planted 7 million trees at his Cragside home.
- His factory on Scotswood Road employed 25 000 people.
- Lord William and his wife Lady Armstrong donated 80 acres of Jesmond Dene to the people of Newcastle.

Swing Bridge

Cragside

Key Vocabulary	
engineering	Engineering is the process of creating and building structures, products, and systems by using math and science
engineer	An engineer is a person who uses scientific knowledge to design, construct, and maintain engines and machines or structures such as roads, railways, and bridges
philanthropist	a wealthy person who gives money and time to help make life better for other people
hydraulic	Something that is operated by the moving force of water.
hydroelectric	The generating (making) of electricity by using the power of water usually dropping from a height.
manufacturing	The production of a product to be used or sold.
weapons	Something that is used to injure, defeat or destroy.
environmentalist	An environmentalist is a person who is concerned with protecting and preserving the natural environment, for example by preventing pollution
mechanism	In a machine or piece of equipment, a mechanism is a part, often consisting of a set of smaller parts, which performs a particular function (job).
Google maps	A digital image online that shows what on the earth's surface.
Street view	Actual photos of streets available online to see what a place looks like.
Terraced housing	A row of houses that are all joined together
Traffic survey	Collecting information about what transport moves along that street
Data	Facts and numbers which have been collected
Tally chart	A table used to collect data