Lord William Armstrong Key Vocabulary Engineering is the process of creating and building structures, products, engineering **Key Facts:** and systems by using math and science. Born in 1810 and died in 1900 An engineer is a person who uses scientific knowledge to design, engineer Armstrong Road is named after him. construct, and maintain engines and machines or structures such as roads, railways and bridges. He manufactured weapons for use in wars. Something that is operated by the moving force of water. hydraulic He was an environmentalist and planted 7 million trees at his hydroelectric The generating (making) of electricity by using the power of water usually Cragside home. dropping from a height. His factory on Scotswood Road employed 25, 000 people. The production of a product to be used or sold. manufacturing Lord William and his wife Lady Armstrong donated 80 acres of An environmentalist is a person who is concerned with protecting and environmentalist preserving the natural environment, for example by preventing pollution. Jesmond Dene to the people of Newcastle. 1863: He bought land near Rothbury and 1845: He invented a hydraulic built Craqside House which was the first ever crane that could unload ships house to be powered by hydroelectricity. faster and more cheaply. 1810 1840 1850 1860 1870 1820 1830 1880 1890 1900 Born: 26th November 1810 in Shieldfield, Newcastle Upon Tyne Married: Margaret Ramshaw in 1835 1884: His shipyard 1854: he 1876: He designed a He died 27th opened at Elswick to designed a lighter built the swing bridge December 1900 specialise in warship field gun to help across the River Tyne so at Craqside,

British soldiers

during the Crimean War. war ships could reach his

factory up river in

Elswick.

production.

aged ninety.