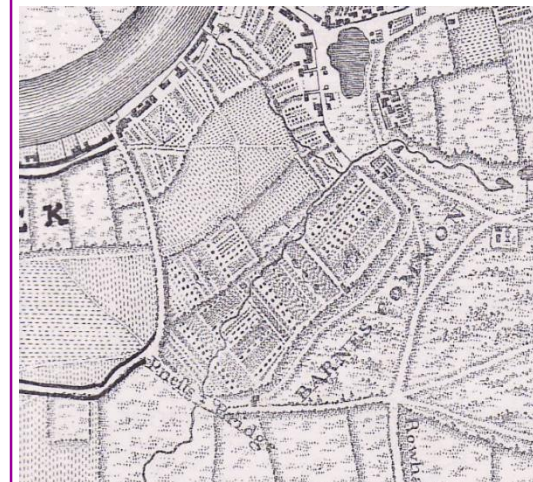




Map of Barnes c1745



Barnes Primary 1903

Links to other subjects:

- Science – steam and steam power.

# Barnes – Past and Present

## History & Geography Y5

### Key Facts and Knowledge

#### Industrial Revolution (1760-1870)

During this time there were many new inventions, powered by coal rather than water, such as James Watt's steam engine. Having a power source like coal removed the reliance upon a water source allowing factories to be built anywhere. Agricultural machinery meant fewer farm workers were required. At the same time, inventions such as the Spinning Jenny meant that factories were being built in the cities. This caused a large number of people to move from rural to urban environments.

**Railways.** As part of the Industrial Revolution, railway lines were built across the country, including the lines that run through Barnes. Isambard Kingdom Brunel set the standards for a well-built railway. Long journeys were now accessible to the majority of the population who previously would never have travelled more than 10 miles from their home.

**Urban centres.** As worker numbers increased, cities expanded. Previously rural environments, such as Barnes, became urban as houses were built. Much of this early expansion happened in the Victorian era.

#### Architectural features of Victorian or Edwardian buildings:

Terraced houses, sash and bay windows, Flemish brick bonding, painted street signs, slate roofs, arched doorways.

### Key Vocabulary

#### Historic

**railways** constructed through the 19<sup>th</sup> and 20<sup>th</sup> centuries to transport people and goods across the country.

**steam** powering engines for transport and manufacture.

**Brunel** a famous engineer within the Industrial Revolution.

**Architectural** a style or design applied to buildings

**Urban** densely populated

**Rural** countryside.

#### Geographic

**Grid reference** Used on maps applying series of vertical and horizontal grids.

**Easting & Northing** The x and y coordinates on maps.

**Scale & Keys** A convention to represent objects and distance

### Links to prior learning:

Rivers, seas and oceans (Y4)

Richmond Park (Y3).

Barnes local study (Y2)

Spinning Jenny  
1764

Industrial Revolution  
1760-1870

Queen Victoria's Reign  
1837-1901

Pasteur invents vaccines  
1870

Lightbulb  
invented 1879

King Edward's Reign  
1901-1910