# Year 3

### Born

20 May 1819-21 May 1887

Bucklersbury, London, England

Legacy

He designed several of

London's famous markets,

including Billingsgate and

Smithfield. He also designed

ower Bridge in collaboration with civil engineer Sir John Wolfe Barry.

Tower Bridge

## Life

- · His father was a lawyer
- He married Anne Elizabeth Patch in 1875.
- He was knighted in 1886



Sir Horace Jones

# Well known for

19th century British architect noted for his work in the City of London, including the design of Tower Bridge.

### Facts

- He studied architecture in Italy and Greece from 1841 - 1842.
- He died before the completion of Tower

# Year 3: Structures What makes a bridge strong?



### Core content:

Investigate how the shape and features of a bridge can affect how strong it is. Identify types of bridges and the structural changes that engineers and architects make to increase the stability of structures.

### Technical vocabulary:

Gap — an empty space or opening in the middle of something or between two things.



Deck — the roadway, or the pedestrian walkway, surface of a bridge.



Pier — a type of structure that extends to the ground below or into the water. It is used to support the bridge and transfer the loads to the foundation.



Suspension — a type of bridge in which the deck is hung below suspension cables on vertical suspenders.



Arch — a curved structure that supports the weight of something above it, such as a bridge or the upper part of a building.



Bascule (pronounced bas-kyool) — a movable bridge deck where the rising floor or section is counterbalanced by a weight.



# Connections:







Sir Horace Jones (1819 - 1887)

Sir John Wolfe Barry (1836 - 1918)

Tower Bridge (1894)