

Year Group: 1	Term: Spring 1	Unit Title: Brilliant Brunel	
<p>Enquiry: What would you put on a stamp to show why Brunel needs to be remembered?</p>	<p>Driver Subject/s: Science and geography</p>		
<p>Geography:</p> <p><u>Where I live,</u></p> <ul style="list-style-type: none"> • Thornbury is a town. • Bristol is a city which is nearby. It is larger and has more houses and different types of buildings such as a train station, shopping centres and an airport. <p><u>What can I find in Thornbury?</u></p> <ul style="list-style-type: none"> • shops: Supermarkets (e.g. Tesco, Aldi), cafes, opticians, doctors, dentists etc • sports centres, parks including Mundy Playing Fields • schools, houses, churches, library <p>Places where I live that are interesting and important – city of Bristol and the Clifton Suspension Bridge</p> <p><u>What can I find in Bristol?</u></p> <ul style="list-style-type: none"> • shops: E.g. Ikea, Smyths toys, Primark, McDonalds etc • Zoo, train station, harbour, hospital, Hippodrome, factories, • Football club, cinemas, shopping centres, cathedral <p><u>Human Geographical Features (Buildings and structures):</u></p> <p>Harbour, bridge, train station, stadium</p> <p><u>Physical Geographical Features:</u></p> <p>River</p> <p>History:</p> <p>The lives of significant individuals – Isambard Kingdom Brunel</p> <ul style="list-style-type: none"> - who he was and when he was alive - designer of the Clifton Suspension Bridge, original Temple Meads Train station and the SS Great Britain. 	<p>Science:</p> <p><u>Materials</u></p> <ul style="list-style-type: none"> • Objects are things that you can touch or see. • Objects are made from materials. <p><u>Which materials are some objects made from?</u></p> <p><u>What words can I use to describe materials?</u></p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>glass metal rock plastic wood</p> </div> <div style="text-align: center;">  <p>brick paper fabrics elastic foil</p> </div> <div style="text-align: center;">  <p>transparent waterproof opaque stiff</p> </div> <div style="text-align: center;">  <p>soft shiny rough absorbent bright</p> </div> <div style="text-align: center;">  <p>bendy stretchy hard smooth dull</p> </div> </div> <p><u>Which materials are natural and which are man-made?</u></p> <ul style="list-style-type: none"> • Some materials are natural while others are man-made. • Natural materials are materials which are found in nature. • Man-made materials are materials which have been produced by humans. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Natural Materials</p> </div> <div style="text-align: center;">  <p>Man-made Materials</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>chalk sand oil leather iron</p> </div> <div style="text-align: center;">  <p>concrete glass paper rubber</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>gold cotton coal wood</p> </div> <div style="text-align: center;">  <p>steel plastic polyester</p> </div> </div>		
<p>Key Vocabulary: Geography</p> <p>Bristol – the nearest city to Thornbury</p> <p>city – bigger than a town</p> <p>harbour – a place where boats shelter and stay safe</p> <p>human features – features that have been created by people</p> <p>map - a drawing of a particular area e.g. the earth's surface; a town; a city</p> <p>physical features - natural features of land that would be here if humans were not</p> <p>landmark - an object on land that is easy to see and helps people find their way</p> <p>shop – a place you go to buy goods</p> <p>river – a path that water takes as it flows towards the sea or ocean</p> <p>Thornbury – our local town</p> <p>town - a place with lots of houses, shops and other buildings</p>	<p>Key Vocabulary: Science</p> <p>absorbent - material that soaks up liquid easily</p> <p>bendy - an object that bends easily into a curved shape</p> <p>dull - a colour or light that is not bright</p> <p>fabrics - cloth or other material produced by weaving together cotton, wool or other threads.</p> <p>foil - sheets of metal as thin as paper</p> <p>glass - a hard transparent material</p> <p>man-made - things are created by people</p> <p>metal - a hard substance such as iron, steel, gold, or lead</p> <p>natural - things that exist in nature and are not made by people</p> <p>opaque - if an object or substance is opaque, you cannot see through it</p> <p>plastic - a material which is light in weight and does not break easily</p>		

Key vocabulary: History

before – at a time before a particular time/event

after – in the time following a particular time/event

engineer – a person who designs and builds engines, machines and structures

Isambard Kingdom Brunel – A famous engineer

photograph – a picture made using a camera

past – something that has already happened

present – something that is happening now

source – an original item that contains historical information from the past, for example: a photograph, a book, or an artefact like a toy.

rough - uneven and not smooth

shiny - things are bright and reflect light

smooth - no roughness, lumps, or holes

soft - not rough or hard

stiff - firm or does not bend easily

stretchy - slightly elastic

transparent - If an object is transparent, you can see through it

waterproof - does not let water pass through it

wood - the material which forms