

Curriculum Links (Early Years)	From a railway carriage	How a steam engine works	Pender	A Great Invention: steam transport	IMPACT: Coming of the Railways	Little Blue Engine/ Helga to the rescue	A Special Delivery (Mail Train)	Train ride	Station tour
<b>Communication and Language</b>									
Listening and attention: children listen attentively in a range of situations. They listen to stories, accurately anticipating key events and respond to what they hear with relevant comments, questions or actions			✓			✓	✓	✓	✓
Understanding: children follow instructions involving several ideas or actions. They answer 'how' and 'why' questions about their experiences and in response to stories or events.			✓			✓	✓	✓	✓
Speaking: children express themselves effectively, showing awareness of listeners' needs. They use past, present and future forms accurately when talking about events			✓			✓	✓	✓	✓
<b>Physical Development</b>									
Moving and handling: children show good control and co-ordination in large and small movements. They move confidently in a range of ways, safely negotiating space.			✓				✓	✓	✓
Self-confidence and self-awareness: children are confident to try new activities, and say why they like some activities more than others.			✓				✓	✓	✓
<b>Mathematics</b>									
Shape, space and measures: children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems.						✓	✓	✓	✓

Curriculum Links (Key Stage 1/2)	From a railway carriage	How a steam engine works	Pender	A Great Invention: Steam Transport	IMPACT: Coming of the Railways	Little Blue Engine/ Helga to the rescue	The Mail Train/A Special Delivery	Train ride	Station tour
<b>English</b>									
Spoken language - having opportunities to ask questions to develop language	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reading comprehension - listening to, discussing and expressing views about stories/poems	✓		✓			✓	✓		
Reading comprehension - link stories to their own experiences						✓			
Reading comprehension - participating in discussions about books read to them/explain + discuss their understanding	✓						✓		
Reading comprehension - have opportunities to discuss word meanings	✓					✓			✓
<b>Maths</b>									
Measurement - opportunities to compare/describe lengths/heights/weight etc									✓
Measurement - opportunities to measure/record the lengths/heights of wheels etc.									✓
Measurement - opportunities to measure lengths/perimeters of 2D shapes, convert between different units									✓
Time - opportunities to sequence events into chronological order		✓		✓	✓	✓	✓		
Geometry - opportunities to identify 2D/3D shapes, position and direction									✓
Geometry - opportunities to observe/identify parallel lines, horizontal and vertical lines								✓	✓
Geometry - opportunities to identify angles, name parts of circle and recognise angles within it									✓
<b>Science</b>									
Plants - identify and name a variety of common wild and garden plants including trees								✓	
Plants - identify and describe functions of different parts of the plants and their requirements								✓	
Animals - identify and name a variety of common animals								✓	
Everyday materials - identify and name everyday materials							✓	✓	✓
Seasonal changes - discuss the four seasons, discuss weather associated with seasons								✓	
Light - opportunities to identify shadow formation, reflection of light								✓	✓
Light - understand why shadows have same shape as the object that casts them								✓	✓
Sound - associate sounds with vibrations including patterns between volume/vibrations								✓	✓
Sound - understand that sound gets fainter as the distance from the sound source increases									✓
Forces - Recognise that some mechanisms allow a smaller force to have a greater effect							✓		✓

Curriculum Links (Key Stage 1/2)	From a railway carriage	How a steam engine works	Pender	History of steam transport	Impact of Railways	Little Blue Engine/ Helga to the rescue	The Mail Train/A Special Delivery	Train ride	Station tour
<b>Art and Design</b>									
Develop an understanding of great architects/designers in history	✓	✓		✓	✓				✓
<b>Design and Technology</b>									
Technical knowledge - explore mechanisms and their products		✓					✓		✓
Cooking/nutrition - understand where food comes from								✓	
Cooking/nutrition - understand seasonality and where/how ingredients are grown/reared								✓	
<b>Geography</b>									
Human and physical - identify seasonal and daily weather patterns in UK	✓							✓	
Human and physical - use geography vocabulary to refer to key physical features	✓							✓	
Fieldwork - use simple compass directions and locational/directional language and describe the location of features/routes on a map	✓						✓	✓	
<b>History</b>									
Learn about changes within living memory	✓	✓		✓	✓		✓		✓
Learn about events beyond living memory that are significant nationally and globally		✓		✓	✓		✓		✓
Learn about the lives of significant individuals who have contributed to national/international achievements		✓		✓	✓				✓
Learn about significant historical events, people and places in their own locality		✓		✓	✓	✓	✓		✓

Curriculum Links (Key Stage 3/4)	From a Railway Carriage	How a steam engine works	Pender	A Great Invention: Steam Transport	IMPACT: Coming of the Railways	Little Blue Engine/ Helga to the rescue	The Mail Train Experience	Train ride	Station tour
<b>English</b>									
Poetry, language development	✓						✓	✓	✓
<b>Maths</b>									
Geometry									✓
Measurements									✓
Probability									✓
<b>Physics</b>									
Energy		✓					✓	✓	
Motion and Forces		✓					✓	✓	
Sound waves								✓	
<b>Geography</b>									
Human Geography - population and urbanisation					✓		✓		
Human Geography - how human/physical processes interact to influence and change landscapes/ environment/climate					✓		✓	✓	
<b>History</b>									
Ideas, political power, industry and empire: Britain 1745-1901					✓		✓		