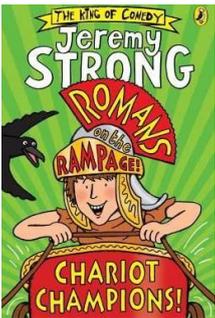
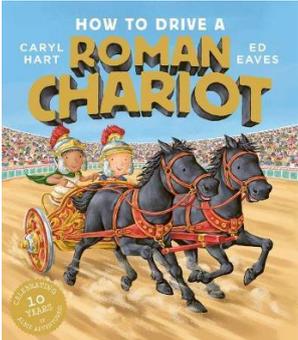


National Curriculum Objectives	Key Knowledge and Vocabulary
<ul style="list-style-type: none"> • Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. • Understand and use mechanisms (e.g. wheels and axles) in their product. (KS1 revision) • Select from and use a wide range of materials and components according to their functional properties. • Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals and groups. • Select from and use a wider range of tools and equipment to perform practical tasks accurately. • Select from and use a wider range of materials and components and materials, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. • Evaluate their ideas and products against the design criteria and consider the views of others to improve their work. • Understand how key events and individuals in design and technology have helped shape the world. 	<p>Know who gladiators were and how they entertained the Romans Know that chariot racing was a form of entertainment for the Romans</p> <p>Develop ideas and designs of moving vehicles (chariots) through discussion and prototypes Make a moving vehicle from construction equipment</p> <p>Explain how wheels and axles work and know how to join them effectively Understand that wheels and axles can be assembled in different ways Choose from a range of materials to build a functioning moving vehicle</p> <p>Generate a design for a Roman chariot based on research and prior knowledge Know about entertainment during the time of the Roman Empire Select from a range of materials based on their functional properties Generate and develop their design ideas through annotated sketches and discussions Use prior knowledge and research to inform the design of a chariot that is fit for purpose</p> <p>Research the Circus Maximus and understand its significance in Roman chariot racing history. Select from a range of materials based on their functional properties Use a range of tools to make a Roman chariot Make a Roman chariot according to the design brief</p>
<p>Links to School Values Thankfulness Respect</p>	<p>Evaluate the effectiveness of their chariot based on the design brief</p>
<p>Books to support learning:</p> <p>Fiction:</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>Understand how engineers have changed design and technology Consider how the Romans would design a chariot today</p>