

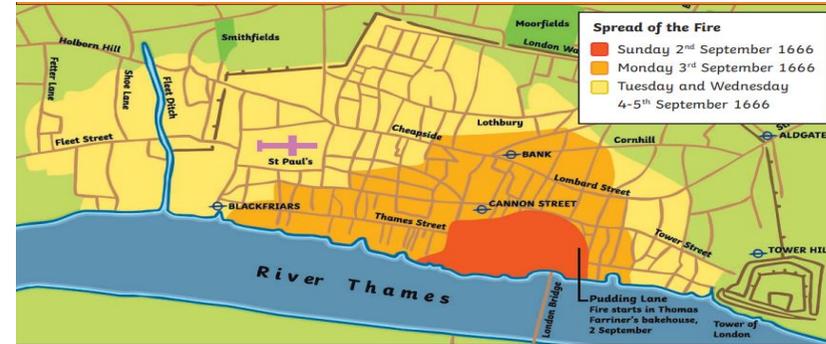


# What can we learn from events in the past?

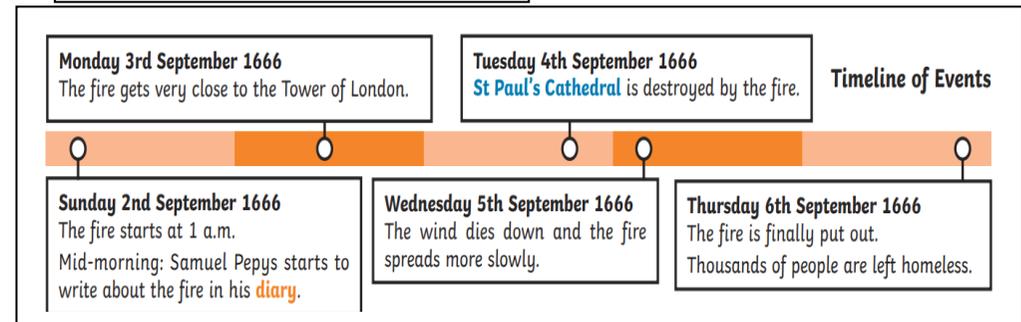


## Glossary

<b>St Paul's Cathedral</b>	Large church located in London next to the river Thames. A new cathedral was built after the fire.
<b>Diary</b>	A book in which one keeps a daily record of events and experiences.
<b>Fire break</b>	A gap that stops a fire spreading to nearby buildings.
<b>Properties</b>	The property of a material is something about it that we can measure, see or feel and helps us decide whether or not it is the best material.
<b>Landscape</b>	An area of land as one can see it. This includes landforms, flora, fauna and human elements.
<b>Physical Features</b>	Physical Features like seas, mountains and rivers are natural. They would be here even if there were no people around.
<b>Mechanism</b>	A mechanism modifies input forces and movement into a set of output forces and movement that the user desires.
<b>Machine</b>	Simple machines are devices which alter the direction or force of a certain object, making it easier to move. A simple machine makes it easier and reduces the time it takes to complete a job.



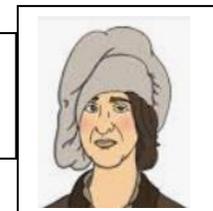
## The Great Fire of London.



Samuel Pepys



Thomas Farriner



King Charles II



Exploring everyday materials and their properties to find out which would be most suitable for building a machine.



Discovering how solids can be changed by squashing, bending, twisting and stretching.

<p><b>hard</b></p> <p>not easily broken or pierced</p> <p>A hard diamond.</p>	<p><b>squashy</b></p> <p>easily crushed or squeezed</p> <p>The play dough is squashy.</p>	<p><b>smooth</b></p> <p>an even and regular surface</p> <p>Some smooth pebbles.</p>
<p><b>absorbent</b></p> <p>able to soak up liquid</p> <p>The sponge is absorbent.</p>	<p><b>bumpy</b></p> <p>uneven, raised patches</p> <p>This shell is bumpy.</p>	<p><b>opaque</b></p> <p>cannot be seen through</p> <p>She is hidden by the opaque screen.</p>
<p><b>dull</b></p> <p>lacking shine or brightness</p> <p>The moth's wings are dull.</p>	<p><b>brittle</b></p> <p>hard, but may break easily</p> <p>The glass is brittle.</p>	<p><b>translucent</b></p> <p>allowing some light to pass through</p> <p>The screen is translucent.</p>

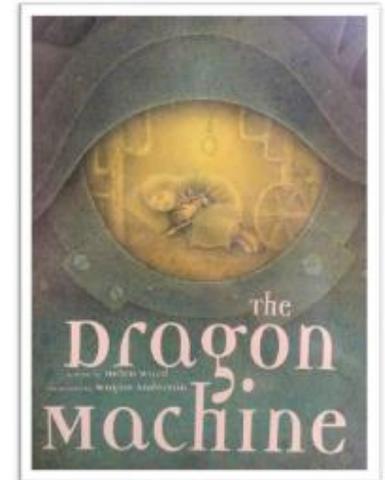
Designing functional machines and moving toys by exploring a range of materials.



Explore birds eye maps/paintings of landscapes travelled over by dragons.



Key Pathways to Write keys		
Gateway keys (non-negotiables/basic skills)	Mastery keys (year group national curriculum expectations)	Feature keys (vocabulary, manipulating sentences and tense, structure)
<ul style="list-style-type: none"> <li>Use subordination (because) and coordination (and)</li> <li>Write expanded noun phrases to describe and specify</li> <li>Use punctuation correctly – full stop, capital letters</li> <li>Add suffixes to verbs where no change is needed to the root (Y1)</li> </ul>	<ul style="list-style-type: none"> <li>Write sentences with different forms: statement, question, exclamation, command</li> <li>Use subordination (apply because, introduce when)</li> <li>Use present and past tenses correctly and consistently (some progressive)</li> <li>Read aloud with intonation</li> <li>Use punctuation correctly - exclamation marks, question marks</li> </ul>	<ul style="list-style-type: none"> <li>Use phrases from story language</li> <li>Create and describe characters</li> <li>Create and describe settings</li> <li>Use past tense consistently and correctly</li> <li>Write in 3rd person</li> <li>Sequence of events with beginning, middle and end</li> </ul>



Four countries and capitals in the UK and surrounding seas.



Physical features:

Beach, cliff, coast, forest, hill, sea, ocean, valley.

