



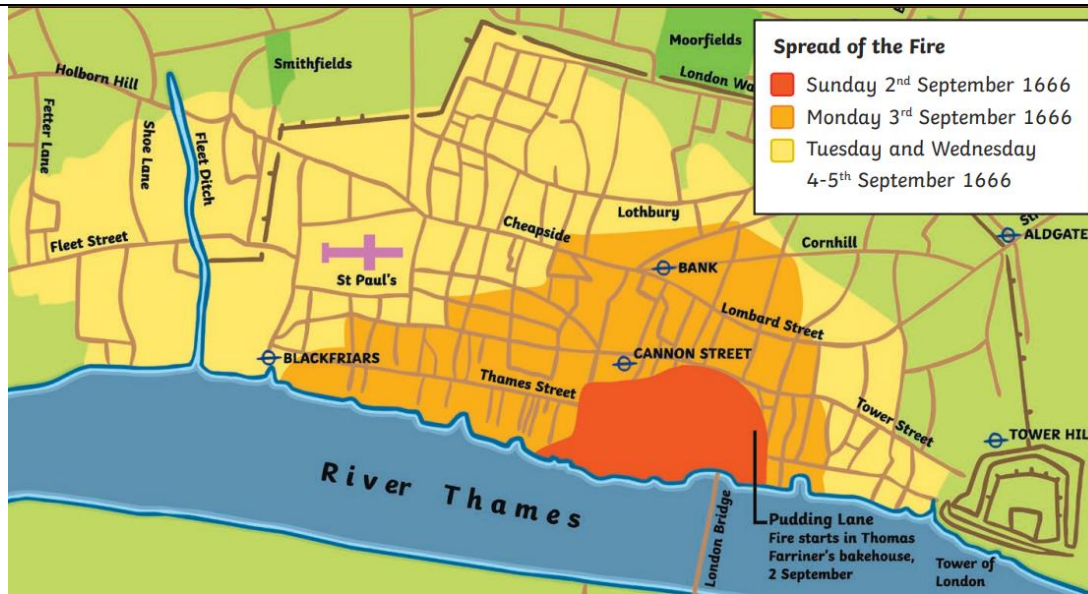
# What caused London to burn down in 1666?

## Powerful knowledge

## Vocabulary

### Tier 2

### Tier 3



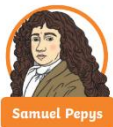
02.09	The fire starts at 1am in the bakery on Pudding Lane when the fires in the oven weren't put out properly.
03.09	The fire gets very close to the Tower Of London.
04.09	St Paul's Cathedral destroyed by fire.
05.09	The wind dies down and the fire spreads more slowly. 13,200 homes were destroyed.
06.09	The fire is finally put out. Thousands of people are left homeless.

destroyed  
destructive  
property

source  
firebreak

Why was the fire so destructive?

- It had been a very dry summer, so the water levels in the River Thames were low making it difficult to access water quickly.
- The wind fanned the flames and spread the fire.
- The buildings were mostly built of wood, which caught alight easily.
- The buildings were very close together, so the fire could easily spread.
- The Lord Mayor didn't think it was very serious and didn't do much to help.



Samuel Pepys kept a detailed diary of events, so we can learn a lot from his **eye-witness account** as a **source of evidence**.



King Charles II helped organise the firefighters. He even helped put out fires himself. He understood the seriousness of the fire. When buckets and water squirts weren't enough to put out the fire, the King ordered buildings to be pulled down as firebreaks to stop the fire spreading further.





Thomas Bloodworth, the Lord Mayor of London, didn't think the fire was very serious. His inaction in the early stages of the fire was criticised as one of the causes for the fire being so destructive.

Many rich women and children were moved out of the city to safety. Men would have been expected to stay behind to help and protect their own property and belonging.






# Why do we need a police force?

Powerful knowledge		Vocabulary		
		Tier 2	Tier 3	
	<p>1829- The first modern police force was set up by Sir Robert Peel in London (policemen were named Bobbies or Peeler after him). They didn't have guns, but had a truncheon and rattle.</p> <p>1830- The first police officer to be killed on duty.</p>	<p>Police Officers:</p> <ul style="list-style-type: none"> <li>● Take statements</li> <li>● Write crime reports</li> <li>● Gather suspicious evidence</li> <li>● Give evidence in court</li> <li>● Make arrests</li> <li>● Search suspects</li> <li>● Offer advice and reassure the public</li> <li>● Control traffic and crowds</li> <li>● <b>Keep the peace</b></li> <li>● <b>Build relationships with the public</b></li> <li>● <b>Act as role models</b></li> </ul>	<p>reassure</p> <p>rights</p> <p>responsibilities</p>	<p>officer</p> <p>constable</p> <p>detective</p> <p>arrest</p>
	<p>A1835- Local police forces set up all around the country.</p> <p>1901- fingre printing was used as a way to catch crimilals.</p> <p>1914- Women Police Volunteers was set up.</p> <p>1915- Edith Smith became the first femal epolice officer with the same rights and responsibilities as a male police officer.</p> <p>1920- Police cars were fitting with radios so police officers could communicate quickly.</p> <p>1960- Police officers started to carry personal radios.</p>			



# What causes objects to move differently?

Powerful knowledge			Vocabulary			
			Tier 2	Tier 3		
	<p>A Newton Meter helps to measure the friction of an object sliding over different surfaces.</p>	<p><b>Friction- One surface or object rubbing against another.</b></p>	<p>compare smooth rough</p>	<p>friction surface gravity gradient prediction variable</p>		
	<p>Different surfaces will have different levels of friction. The smoother they are, the less friction. The rougher they are, the more friction.</p>	<p>Gravity- the force that pulls objects to the Earth.</p>			<p>compare smooth rough</p>	<p>friction surface gravity gradient prediction variable</p>
	<p>Scientists measure carefully and precisely. They only measure one thing in an experiment, like time, distance, mass...</p>	<p>It is important to make the ramp the same length and gradient.</p>				
		<p>The same car must be used each time to be able to compare the surfaces fairly.</p>				
		<p>The only variable to change is the type of surface</p>				





# How do the RNLI stay safe at sea?

## Powerful knowledge



The RNLI was formed in 1824.

Materials can be:

- Transparent
- Hard
- Soft
- Flexible
- Waterproof
- Absorbent
- Strong
- Lightweight



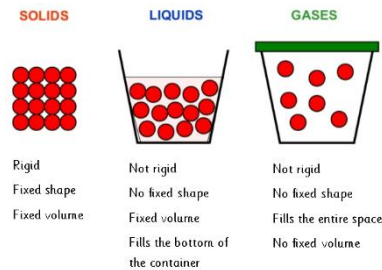
The outfit RNLI crew wear is technical and specialist. It has properties that are perfect for what they need. It needs to be waterproof and flexible, warm and durable.

durable  
 waterproof  
 heroine

specialist  
 technical  
 properties



Grace Darling was a lighthouse housekeeper's daughter. She became famous for helping to rescue people from a shipwreck in 1838. The sea was too rough for the lifeboat, so they took a rowing boat across the waves. Grace controlled the boat while her father helped people on board. Grace Darling became a heroine for her bravery and courage.



## Vocabulary

Tier 2

Tier 3