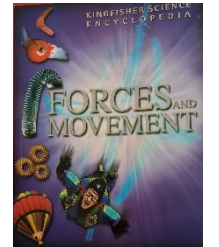
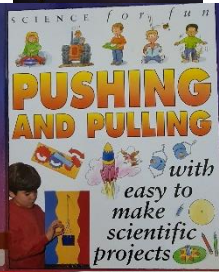
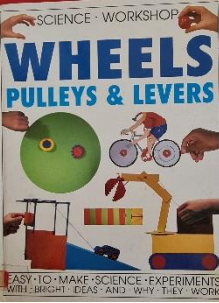


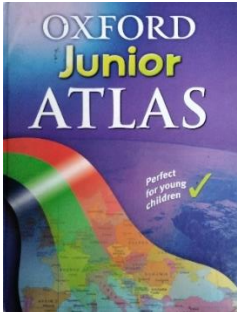


Year 5

Science - Forces

Key subject vocabulary		Enquiries for important knowledge	Recommended books
Gravity	The force that attracts a body towards the centre of the earth.	<ul style="list-style-type: none"> <li>• Why do unsupported objects fall towards the Earth?</li> <li>• What are the effects of air resistance?</li> <li>• What are the effects of water resistance?</li> <li>• What are the effects of friction?</li> <li>• How do some mechanisms, including levers, pulleys and gears work?</li> </ul> <p>Working Scientifically:</p> <ul style="list-style-type: none"> <li>• I can design and make a variety of parachutes and carrying out fair tests to determine which designs are the most effective.</li> <li>• I can explore resistance in water by making and testing boats of different shapes.</li> <li>• I can design and make products that use levers, pulleys, gears and/or springs and explore their effects.</li> </ul>	  
Air resistance	a type of force that uses friction to slow things down that are moving through the air.		
Water resistance	a type of force that uses friction to slow things down that are moving through water.		
Friction	The resistance that one surface or object encounters when moving over another.		
Lever	A rigid bar resting on a fulcrum, used to move a heavy load with one end when pressure is applied to the other.		
Fulcrum	The point which a lever is rested against.		
Pulleys	A wheel with a grooved rim around which a rope passes, which is used to raise heavy weights.		
Gears	Wheels with teeth that slot together		
Balanced	Forces that are opposite in direction and equal in size.		
Accelerate	To begin to move quickly.		
<p>Links to other areas of science:</p> <p>Forces and Magnets LKS2</p>			

Year 5

Geography - Key Skills

Key subject vocabulary		Enquiries for important knowledge	Recommended books
Land use	When an area is used for a specific purpose to meet the wants and needs of people.	<ul style="list-style-type: none"> <li>• What different land uses are there?</li> <li>• Can you find key places on a map and give a six-figure grid reference?</li> <li>• What are the 8 compass directions and can you use these to direct a friend?</li> <li>• What is the difference between human and physical features?</li> <li>• Can you name 3 different examples of each?</li> <li>• What are contours and relief?</li> <li>• How is the United Kingdom broken down?</li> </ul> <p>I can find key places on a map using clues. I can draw a sketch map of my local area.</p>	  
Contours	Lines drawn on maps that join places of the same height		
Relief	Shows the high and low points of land		
Grid references	Helps pinpoint a specific place on a map.		
Compass	A tool for finding direction		
United Kingdom	England, Wales, Scotland and Northern Island.		
Commercial	Land used for businesses.		
Residential	Land used for houses.		
Agricultural	Land used for farming.		
Recreational	Land used for fun/entertainment.		
County	The division of land ruled by local government.		