



# UKS2 Design Technology Knowledge Organiser

## Thrills of the Theme Park

Key Knowledge and Skills	Key Vocabulary	
<p>Fairground rides use different mechanisms and energy sources to make them work. We will be exploring existing products and using them to influence and shape our own design and creating of a moving fairground ride.</p> <div data-bbox="92 427 613 971"> <p>MECHANISMS include gears, levers and pulleys.</p> <p>They will be powered by electrical circuits.</p> </div>	Word	Definition
	pulley	a wheel with a grooved rim around which a cord passes. It acts to change the direction of a force applied to the cord and is chiefly used (typically in combination) to raise heavy weights.
	gear	one of a set of toothed wheels that work together to alter the relation between the speed of a driving mechanism
	rotation	the action of rotating around an axis or centre.
	axle	a rod or spindle (either fixed or rotating) passing through the centre of a wheel or group of wheels
	motor	a machine, especially one powered by electricity or internal combustion, that supplies motive power for a vehicle or for some other device with moving parts
	circuit	a complete and closed path around which a circulating electric current can flow
	switch	a device for making and breaking the connection in an electric circuit.
	diagram	a simplified drawing showing the appearance, structure, or workings of something
	annotated	add notes to (a text or diagram) giving explanation or comment
	mechanical	working or produced by machines or machinery
Focus Industry		
<p>Theme Parks- A theme park is a type of amusement park that bases its structures and attractions around a central theme, often featuring multiple areas with different themes</p>		