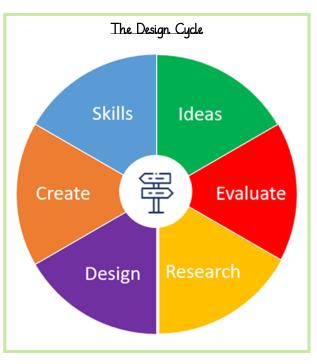
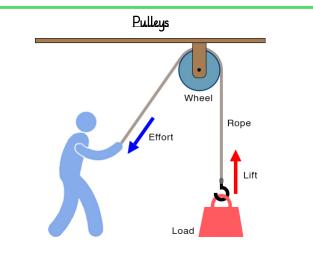


Ν	lechanisms	_	Pulleys

Key Vocabulary			
mechanism	a set of related parts used to create movement		
pulley	a simple mechanism that comprises cord looped over one or more wheels		
wheel	a circular object that spins below the vehicle to help it move		
axle	a rod on which one or more wheels can rotate, either Freely or be fixed to and turn with the axle		
drive belt	a cable which connects and transfers movement between the force and the load		
load	the weight of an object		
effort	the amount of force needed to lift or move an object		
force	the strength or energy needed to for movement		





Pulleys are a simple piece of engineering which allows you to lift objects up and down using a cable or rope. They're made up of a wheel on an axle that rotates, allowing the rope or cable to feed around the groove within the wheel.





Archimedes (287 - 212 BC)

Archimedes was an Ancient Greek mathematician, physicist, engineer, astronomer and inventor. A ship, that weighed two tons, which was intended as a gift to the Egyptian empire was built however yet to be hauled into the sea. When challenged to do so, Archimedes designed a complex system of compound pulleys, a rotating helix, and ropes, and thus was successful in his task.

