

D.T		Year 4		
Focus: Levers and linka	ges			
Age related vocabulary				
Pivot	The central point, pin, or shaft on which a mechanism turns.	Temporary fixing	A fixing that t is temporary lasts for only a limited time.	
Fit for purpose	Well equipped or well suited for its designated role or purpose.	Process	A series of stages in time where the last stage is the product, result or goal.	
Key Knowledge				
	pe of mechanism. It is a stiff bar that mo	ves around a pivot the piv	vot can be loose or	
fixed.	made by connecting together levers are			
the type of movement	required.		pivot stiff bar	
	that joins card strips to the backing car that joins card strips together.	Joins the levers together.	linkages	
		(a)		

pneumatics - The use of pressurised air to make things move.

pneumatic machines are also widely used in manufacturing, for example, in the production of cars.

Tyres, drills, bicycle pumps, bus door openings and lifts all use pneumatics.

D.T Y4			Ca	rlton Assessment Grid
Success Criteria		Pupil Reflection		Teacher Assessment
I can research to investigate a range of existing toys saying what I like and dislike about them.		Before	After	
I can use pneumatic system.		Before	After	
I can design a toy including a lever using an annotated and cross sectional sketch.		Before	After	
I can create my own toy incorporating a pneumatic and		Before	After	
	al system.			
		Before	After	
I can critically evaluate my toy against design criteria.				