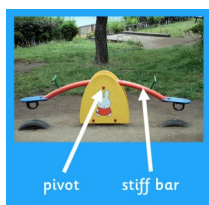




D.T		Year 3	
Focus: Levers and linkages			
Age related vocabulary			
Pivot	The central point, pin, or shaft on which a mechanism turns.	Temporary fixing	A fixing that t is temporary lasts for only a limited time.
Fit for purpose	Well equipped or well suited for its designated role or purpose.	Process	A series of stages in time where the last stage is the product, result or goal.

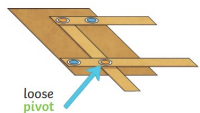
## Key Knowledge

A lever the simplest type of mechanism. It is a stiff bar that moves around a pivot the pivot can be loose or fixed.

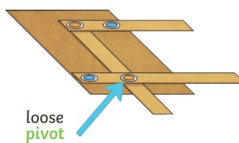


A linkage mechanism is made by connecting together levers around a pivot to produce the type of movement required.

Joins the levers together.



Fixed pivot– A split pin that joins card strips to the backing card.



Loose pivot– A split pin that joins card strips together.

D.T Y3	Carlton Assessment Grid		
Success Criteria	Pupil Reflection		Teacher Assessment
I can investigate a range of existing toys saying what I like and dislike about them.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can use mechanical levers and linkages	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can design a toy including a lever using an annotated sketch.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can create my own toy using levers and linkages.	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can critically evaluate my toy against design criteria.	Before <input type="checkbox"/>	After <input type="checkbox"/>	