Goonhavern Primary School- Science						
TOPIC: Forces	YEAR: 2	STRAND: Physics				

What should I know already?	What will I know by the end of the unit?		
 The shape of some materials can be changed when they are stretched, twisted, bent and squashed. Know how different toys move. 	How do objects move?	 Objects move when they are pushed, pulled or twisted. These are all forces. A push or pull can move an object, start to move, or stop it from moving. A push or pull can make an object speed up or slow down. A push or pull can make an object change direction. A push can squash some materials, and a pull can stretch some materials. 	
	What are examples of pulling forces?	Rowing a boatTug of warArcheryOpening a drawer	
	What are examples of pushing forces?	 Running Pushing a door closed Plating tennis Pushing a trolley 	

Vocabulary					
Bendy	Is easily bent into a curved shape				
Force	The pulling or pushing effect that something has on something else				
Position	The place where they are in relation to other things				
Pull	Holding something firmly and use force to move something towards you or away from its previous position				
Push	Using force to make something move away from you or away from its previous position				
Squash	Pressed or crushed with such force that something loses shape				
Stretchy	Slightly elastic				
Twist	Turns something into a spiral shape				

Investigate!

- Observe how different objects move when they are pushed or pulled.
- Make a list of everyday activities that involve pushing or pulling objects (e.g. pulling a drawer open or pushing a pram).
- Investigate the forces of pushing and pulling in PE.
- Observe how different toys move (e.g tricycles, water wheels, pull along toys).
- Draw diagrams to show how objects move when a force is applied to it. Use arrows to show the direction of the movement.
- Explain how the strength of the force determines how fast or how far something moves.

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TOPIC:		YEAR:	YEAR:			STRAND:			
Q1	Start of Unit	End of Unit		Q3	Start of Unit		End of Unit		
Q2	Start of Unit	End of Unit		Q4	Start of U	Jnit	End of Unit		