Learning Objectives: Apply your understanding of magnetic fields to develop a technique of measuring B	Applications of F=BIL The current - balance	_		
Once you have determined B, use your device to measure the mass of an unknown object.			 	
Your task:  Develop a simple tecnique of measuring B, the magnetic flux density for a strong C-magnet.				
Once you have done this, use your device to measure the mass of an unknown object.	Made d ((Court deinle court and id)	_	 	
Equipment list	Method (if you think you need it!)	-	 	
		-		
Plenary: Complete the SAQ's HL:				
Complete the chapter WS				
		_		
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technique of measuring B  Once you have determined B, use your device to measure the mass of an unknown object.	The current - balance	_	 	
Your task:  Develop a simple tecnique of measuring B, the magnetic flux density for a strong C-magnet.	Method:  1) set up a circuit whereby the wire runs perpendicularly through the magnetic field of a C-Core amgnet.	_	 	
Once you have done this, use your device to measure the mass of an unknown object.	2) Place the C-core magnet on the top pan balance and zero the scale.	_		
Equipment available: Top pan balance	3) Apply a p.d. and allow a current to pass through the wire. The balance reading will change (why and how?)	_	 	
D.C power supply (spider, max 4 groups) lengths of wire annmeter voltmeter	4) The change in weight of the magnet is equal and opposite to the force $\boldsymbol{F}.$	l _		
c-core magnet	5) Use flemings law to calculate B (you have F, I and L) $$			
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