Scheme of Learning: Forces												
Topic Sequence:												
	1	2	3	4		5	6	1	8	9	10	
ı	ab Skills	Particles and Separation Techniques	Forces	Cells a Organisa	na	Elements and the Periodic Table	Energy	Health and Human Body	Chemical Reactions	Electricity and Magnetism	Reproduction	
To	pic Overvi	ew:	-XXX =				Y0X					
sta un wi Th for an	derstandi derpin the nning an C is topic bu undations d motion' sson Sequ pils will st e forces ar	surface of the ng forces with e design of a body mpic meda which will late in KS4 (GCSE) art by being are contact or its surface.	Earth, to we its impact poike, as well al. S2 idea that ter be develop.	why their ca on sport. V I as how ch t forces are loped in the he differen t and how t	r will s We use anging pushe 'mot 'mot	speed up and e the context g body position es and pulls a ion and press s of forces, and	I slow down of Olympic on and cloth nd begins to sure' topic in	s behave in the . This topic aim track cycling to ning can affect so didentify some n year 8 and 'Fo etion that they a	ns to link the pagain an und speed and in basic forces orces and interest. They will n develop th	importance of lerstanding of crease the cheen with the eractions' and lineed to und is knowledge	of f how forces ance of e d 'Forces erstand if by	
re: loc fri- pu po	sultant for oking at ho ction, and pils look a sition, tyr	ces they will tow it affects the ways we the relation at thickness or	then be abl he motion o can reduce ship betwe	e to apply to fan object them. We en weight a	this kn t (spec then and m n char	owledge to e ed and direct move on to lo ass. Pupils wi age a cyclist's	explain how ion). We the ooking how ill be assesse	ralculate a resuresultant force en focus on two resultant force ed by being ask	s affect the observations specific results seem to be a character of the contracter	object. We sta istive forces, ange of shape	art by drag and . Finally the	
Sequence of Lessons:				Resources:								
1	Intro to forces (contact and non-contact)			Newton meters (Range high and low resolution) Objects of different weights.								
2				1	Work sneet 1: Forces definition match							
3	Resultant forces			Work Sheet 2: <u>Table of results</u> Large Squared (graph) Paper.								
	Drag				2	Worksheet 1: Free body diagram practice.						
4				3	Equipment. Hair dryer x 4 Meter ruler x 8 Small dynamics trolly x 8							
5	5 Friction											
6	- 0 0 1			4								
7	Weight and Gravity											
8 Forces assessment			_	Plasticine. 100g x 8 Equipment: Friction Block and Newton Meter X 8								
				5	Table of results							
					6	Equipment:1 x spring 1x strawberry lace, 1 x clamp stand, a meter ruler, 2 x clamps and 2 x bosses. Table of results and graph to annotate.						
					_1							
					8 Print off assessment sheet.							
Su	pportive F	leading:		- X-Y			44			4		
Comprehension activity TBC												
As	sessment							18.		W 15		
Knowledge: 20 question					n multiple choice quiz							
Application of Knowledge: Explain what cyclist's sp						ny changing the body position, tyre thickness or shape of the helmet can change a peed.						