

Science Assessment Grid : Forces in Action : Year 5

Forces in Action																					
Group:		Year:		Term:																	
Science																					
Lesson 1	Can children explain why objects fall towards the centre of the Earth?																				
	Do children understand the causal link between the mass of an object and the amount of force with which gravity acts on it?																				
Lesson 2	Can children define friction?																				
	Do children know that friction can be useful and give some examples?																				
	Can children carry out an investigation, making sure that it is a fair test?																				
Lesson 3	Do children know that air resistance is a force that slows objects moving through the air?																				
	Can children plan, carry out and assess experiments to investigate air resistance?																				
	Can children draw conclusions from their investigations?																				
Lesson 4	Do children know that water resistance slows an object moving through water?																				
	Can children plan and carry out an experiment, making sure it is a fair test?																				
	Can children identify trends in results and draw conclusions?																				
Lesson 5	Do children recognise that levers and pulleys allow a small force to have a greater effect?																				
	Can children make and improve models that use pulleys or levers?																				
	Can children explore the effects of changing parts of their model?																				
Lesson 6	Do children recognise that the speed or amount of force transmitted is affected by changing the size of the gears in a transmission?																				
	Can children make transmissions where two or more gears work together?																				