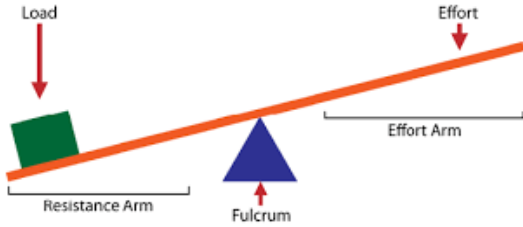
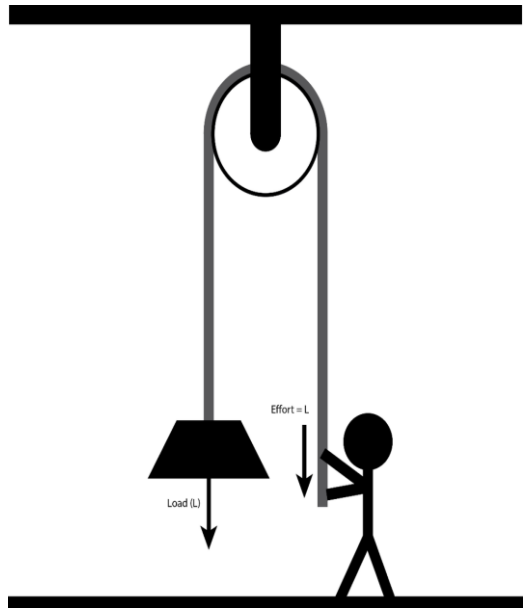


Year 5: Science Forces & Movement Knowledge Mat

Subject Specific Vocabulary		Information	Important Knowledge
friction	Friction is a force, the resistance of motion when one object rubs against another.		<ul style="list-style-type: none"> <input type="checkbox"/> I know how gravity makes objects fall towards the Earth. <input type="checkbox"/> I know the effects of air resistance. <input type="checkbox"/> I know the effects of water resistance. <input type="checkbox"/> I know the effect of friction between moving surfaces <input type="checkbox"/> I know that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect. <p>Working Scientifically</p> <ul style="list-style-type: none"> <input type="checkbox"/> I know when variables need to be controlled and decide when a comparative or fair test is the best way to answer my question. <input type="checkbox"/> I know how to write accurate conclusions which match the evidence. <input type="checkbox"/> I make suggestions of how to record my results. <input type="checkbox"/> I know how to find relationships in the data that I have collected. <input type="checkbox"/> I know about cause and effect. <input type="checkbox"/> I know which secondary sources are most useful to research my ideas. <input type="checkbox"/> I know if my research has answered my question.
accelerate	To increase the speed or rate of an object.		
decelerate	To decrease the speed or rate of an object.		
air resistance	The frictional force air exerts against a moving object.		
surface area	A measurement of all the space that the surface of a three-dimensional shape takes up.		
pulley	A simple machine that makes lifting something easier.		
lever	A long, sturdy body that rests on a support called a fulcrum. The fulcrum is the place where the lever pivots		
load	The load is the object that is being lifted or affected. In a seesaw, whoever is being lifted up is the load.		
water resistance	The frictional force water exerts against a moving object.		
gravity	An invisible force that pulls objects toward each other		