

# Leintwardine Endowed CE Primary School Learning Journey Key

'Letting Our Light Shine'




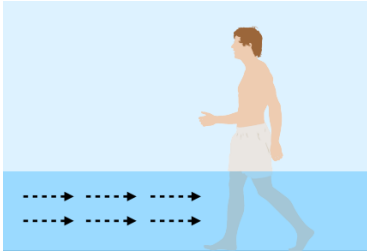
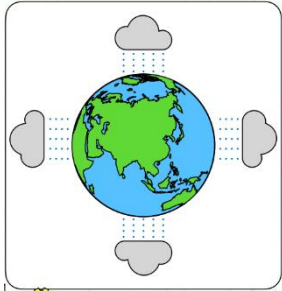
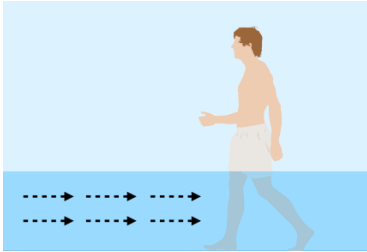
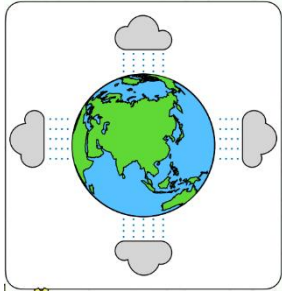
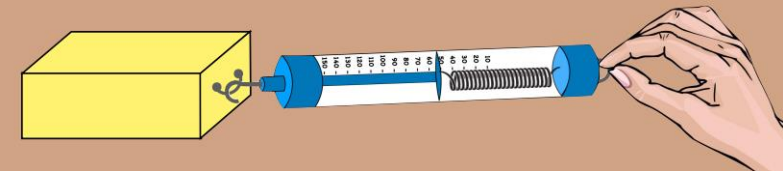

SUBJECT : Science

YEAR : A

TERM : Spring 1

YEAR GROUPS : 5/6

Key Question: How do forces affect movement?

Question	Vocabulary to Use	Information which will help me	Can I....?
How do forces affect objects?	Force, push, pull, opposing, gravity, air resistance, water resistance, friction, Isaac Newton, Galileo Galilei,	  	Can I explain why objects fall towards the centre of the Earth?
How does Isaac Newton's theory of gravity affect us today?	Force, push, pull, opposing, gravity, air resistance, water resistance, friction, Isaac Newton, Galileo Galilei,	 	Can I explain the link between the mass of an object and the amount of force with which gravity acts on it?
How does air resistance affect moving objects?	Galilei, streamline, brake,		Can I give a definition of friction?
What effect does water resistance have on boats? <b>Working scientifically – designing boats to reduce water resistance.</b>	mechanism, lever, gear, cog, pulley, machine, Newtons, transmissions.		Can I give useful examples of friction?
How can friction be a useful force for vehicles?			Can I explain what air resistance is?
How can mechanisms allow a smaller force to have a greater effect?			Can I explain what water resistance is?
			Can I recognise that levers and pulleys allow a small force to have a greater effect?
			Can I make and improve models that use pulleys and levers?
			Can I recognise that the speed or amount of force transmitted is affected by changing the size of gears in transmission?
			Can I make transmission where two or more gears work together?