We will learn: Forces

Element	More ambitious		
1. Introduction to Forces	Identify forces in everyday situations	Explain what forces do	Describe what is meant by an interaction pair.
2. Squashing and Stretching	State an example of a Force deforming an object Use Hooke's law to identify proportional stretching Draw a conclusion from an experiment	Describe how forces deform objects Explain how solid surfaces provide a support force Use your results to produce an accurate line graph	Apply Hooke's Law to a range of situations Use your graph to predict the extension in different situations
3. Drag Forces and Friction	Identify examples of drag forces and friction forces in everyday situations	Describe how drag forces and friction arise Describe the effect of drag forces and friction	Explain why drag forces and friction arise.
4. Forces at a Distance	Identify gravity as a force that acts at a distance	State what factors change the force of gravity Describe the effect of gravitational forces	Explain how the effect of gravity changes
5. Balanced and Unbalanced	Identify balanced and unbalanced forces and when the speed or direction of an object changes	Describe situations that are in equilibrium	Describe the difference between balanced and unbalanced forces