Forces

Topic Checklist / Progression Check

I know this colour green	I'm not sure colour yellow	I don't know this colour red

Subtopics and Learning Objectives	Start	End
Different Forces		
- Recall the effects of forces on an object		
- Name forces and classify them as contact or non-contact forces		
- Recall how to measure forces and masses and their units		
Floating and Sinking		
- State what is meant by upthrust		
- Recall the factors that affect the amount of upthrust		
- Explain why some objects float in terms of density		
Springs		
- Describe how the extension of a spring depends on the forces applied		
Friction and Drag		
- Recall the effects of friction and drag		
- Explain some ways in which friction and drag can be changed		
- Identify situations in which friction is helpful or not helpful		
Pressure		
- Calculate pressure and recall it units		
- Describe the effects of high and low pressure in simple situations		
Balanced and Unbalanced		
- Identify balanced and unbalanced forces		
- Explain the effects of balanced and unbalanced forces		
Speed		
- Describe the meaning of speed and average speed		
- Use a formula to relate speed, distance and time		
- Represent simple journeys on a distance-time graph		
Core Practical – Investigating Speed		
- Investigate how some variables affect the speed of a toy car.		

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