

Physics > Big idea PFM: Forces and motion > Topic PFM2: Moving by force > Key concept PFM2.4: Drag

Progression toolkit: Drag

Learning focus	The drag force on an object moving through a fluid increases with its speed and can be reduced by making the object more streamlined				
As students' conceptual understanding progresses they can:					
	Identify in which fluid an object has the biggest drag force P	Describe how streamlining reduces drag force	Explain why the drag force on an object increases with the object's speed	Describe the forces acting on an object when it is moving at a constant speed through a fluid	Explain how using a parachute can make it safe to jump out of an aeroplane B
Diagnostic questions	Drag force	Drag on helmets	Speed is a drag	Top speed	Safe landing
Response activities	Ball pool drag				
				Parachutes	

Key:

P Prior understanding from earlier stages of learning

B Bridge to later stages of learning

