R · Forces and Newton's laws

AQA · A-Level · Mathematics · Vocabulary in context

Word	Example
→ **force** /fɔːs/	You use a **force** to push a door open.
resultant force /rɪˈzʌltənt fɔːs/	If the **resultant force** is zero, the speed does not change.
↑ **normal reaction** /ˈnɔːml rɪˈækʃn/	A book on a table feels a **normal reaction** pushing up from the table.
↕ **tension** /ˈtenʃn/	The **tension** in the rope holds up the lamp.
thrust /θrʌst/	The rocket engine gives an upward **thrust**.
friction /ˈfrɪkʃn/	**Friction** between the tyres and the road stops the car sliding.
• **particle** /ˈpɑːtɪkl/	Modelling the ball as a **particle** means we ignore its size and any rotation.
inextensible /ˌɪnekˈstensɪbl/	An **inextensible** string does not stretch.
× **coefficient of friction** /ˌkəʊɪˈfɪʃənt ɒv ˈfrɪkʃn/	The **coefficient of friction** μ shows how rough two surfaces are. μ
limiting equilibrium /ˈlɪmɪtɪŋ ˌiːkwɪˈlɪbrɪəm/	In **limiting equilibrium**, the box is just about to slide.

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