DESCRIBING FORCES

Use the RADAAR framework to support curriculum planning, building on the ideas that pupils bring to lessons: https://eef.li/RADAAR



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Text and activities informed by Best Evidence Science Teaching (BEST). Diagnostic questions taken from associated resources. All BEST resources developed by the University of York Science Education Group and the Salters Institute. http://www.stem.org.uk/best-evidence-science-teaching

Assess and Review

Revisit using further examples

Retaining this common language of object A pushing on object B can help pupils as they progress to more complex examples.

> "The wall exerts a force on the man that is the same size and in the opposite direction to the force of the man pushing on the wall."

Children find it easier to imagine the floor pushing on a person standing on it than to appreciate the same reaction force from

Check understanding

Pupils should recognise that an exerted force can only be as high as the reaction force that can be pushed back. You could ask them to explain why you can't push as hard on a floating object as on a fixed surface, because it can't push back as hard.

> "If you exert a force on a balloon, it will exert an equal sized force in the opposite direction against your hand. If the force from your hand exceeds the force from the balloon, the balloon will accelerate in the direction of the force."

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