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Friction is a Force - Student Misconceptions

Posted by [sat](#) on Tue, 2014-09-02 00:18

This resource discusses student misconceptions about friction.

The resource provides teaching strategies for teaching about friction as a contact force. It also includes critical teaching ideas and research about student alternative conceptions.

Critical teaching ideas covered:

- Explaining friction as the idea that all surfaces have tiny bumps.
- When two surfaces slide over one another the tiny bumps push on each other.
- Friction causes a force on a surface which is in the opposite direction to its motion.
- Friction can be reduced by the application of lubricants.

New Australian Curriculum 9 Codes: AC9S4U03 (Year 4)

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