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## The effects of force and mass on motion

Posted by [sat](#) on Sun, 2014-03-16 14:39

This online resource investigates Newton's second law of motion.

The resource is a student practical activity. Students time how long it takes a dynamics trolley to travel a set distance along a runway under a given force.

The force is then doubled and the time re-measured. Mass is then doubled and the time re-measured.

Teaching notes are included and related experiments are also listed.

Australian Curriculum v9 Codes: AC9S10U05 (Year 10)

### **Tags:**

[force](#)

[mass](#)

[Newton's laws](#)

[motion](#)

[acceleration](#)

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Newton's second law

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