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## Analysis of situations in which mechanical energy is conserved

Posted by [sat](#) on Mon, 2014-03-17 15:21

This online resource deals with the conservation of total mechanical energy.

The resource is a tutorial on the concepts of the conservation of total mechanical energy (TME) during energy transformations and covers the examples of a pendulum, a roller coaster and a ski jumper.

It also has an accompanying illustrative animation and plenty of practice applications for students to try.

Australian Curriculum v9 Codes: AC9S8U05 (Year 8), AC9S9U05 (Year 9)

### **Tags:**

[energy transfer](#)

[pendulum](#)

[roller coaster](#)

[gravitational potential energy](#)

[kinetic energy](#)

[total energy](#)

[ski jumper](#)

### **External Link:**

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[Conservation of energy](#)

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