



ASSIST

AUSTRALIAN SCHOOL SCIENCE
INFORMATION SUPPORT FOR
TEACHERS AND TECHNICIANS

Published on ASSIST (<https://assist.asta.edu.au>)

[Home](#) > [Leaning Tower Video – Gravity Investigation with Air Resistance](#)

Leaning Tower Video – Gravity Investigation with Air Resistance

Posted by [sat](#) on Mon, 2014-08-11 12:49

This online resource investigates the gravity tower at Gingin near Perth.

The resource is a video from the ABC television show *Catalyst and* shows several objects being dropped from the 45 m high tower and their acceleration due to gravity is compared.

It also demonstrates that an object with a chain attached, like a bungee cord, can actually accelerate faster than gravity. This is then compared to the cracking of a whip where the whipping motion accelerates the end of the whip to a speed faster than the speed of sound.

Australian Curriculum v9 Codes: AC9S7U04 (Year 7)

Tags:

[motion](#)

[gravity](#)

[air resistance](#)

[acceleration](#)

[Galileo](#)

External Link:

[Leaning tower video](#)

Source Category:

[Commercial](#)

[Leaning Tower Video – Gravity Investigation with Air Resistance](#)



No votes yet

Publication Date:

February, 2013

[Acceleration due to gravity](#)

Source URL: <https://assist.asta.edu.au/resource/2415/leaning-tower-video-%E2%80%93-gravity-investigation-air-resistance>