



## What does your granny have in common with a spaceman?

By Dr Val Mann

I bet your granny has never been into space. But she does have something in common with an astronaut: both suffer loss of bone mass and strength which results in an increased risk of bone fracture.

- How does our bone sense and translate mechanical signals?
- What goes wrong in aging and disease?
- More importantly can we do anything to prevent bone loss?

Val can answer these questions and prove that our grandparents have more in common with spacemen than you thought!

This talk is suitable for students of all ages and can be adapted to suit all school years.

Dr Val Mann is a researcher at the University of Edinburgh Medical School.

### Curriculum Links

- **5-14 Science: Living Things and the Processes of Life**
- **Standard Grade Biology: The Body in Action; Biotechnology**
- **Advance Higher Biology: Physiology, Health and Exercise**

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