



Statement of participation

Michael Frank

has completed the free course including any mandatory tests for:

The science behind wheeled sports

This 8-hour free course focused on the scientific concepts behind the sports of cycling and wheelchair racing.

Issue date: 9 November 2018



www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification. This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/health-sports-psychology/sport-fitness/the-science-behind-wheeled-sports/content-section-0>

COURSE CODE: S172_1

The science behind wheeled sports

<https://www.open.edu/openlearn/health-sports-psychology/sport-fitness/the-science-behind-wheeled-sports/content-section-0>

Course summary

This free course, The science behind wheeled sports, focuses on cycling and wheelchair racing: what we might collectively call wheeled sports. The Scientific concepts such as force, acceleration and speed are also useful for understanding these sports. However, cycling and wheelchair racing differ from other sports in that technology more obviously plays an important role.

Learning outcomes

By completing this course, the learner should be able to:

- understand forces and their role in determining performance in sport
- understand the science behind new technologies, and their impact on sport
- apply this knowledge and understanding to familiar and unfamiliar situations
- express course concepts in an objective and factually correct way
- make sense of a variety of information sources, including textual, numerical, graphical and video material.

Completed study

The learner has completed the following:

Section 1

[Rolling fast: the science behind wheeled sports](#)