



## Exploring mathematics: a powerful tool

*Mathematics: a powerful tool*

How can mathematics help us to understand the world around us? The tracks on this album take us to Antarctica, Hong Kong and New Zealand to find out how mathematicians work with scientists and biologists to create mathematical models, and how collaborations like these can help decipher and predict a range of natural phenomena. We learn how the 17th Century saw the birth of one of the most important mathematical tools - calculus, and modern mathematicians examine the contribution of its three inventors - Fermat, Newton and Leibniz. This material forms part of the Open University course MS221 Exploring mathematics.