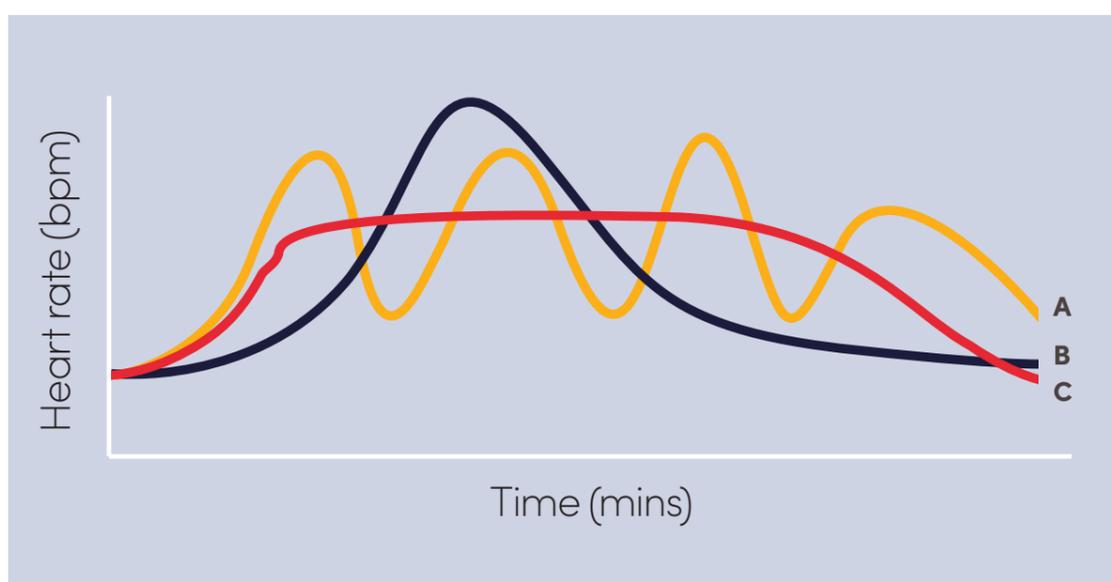


Core Maths with Sports Science and PE



Advanced Mathematics Support Programme®

The graph below shows the heart rate of an athlete during three different training sessions. By making reference to the shapes of the graphs, contrast the training methods and suggest one reason why the athlete might choose each approach.



Sports Science and PE use maths skills

What is Core Maths?

Core Maths is a group of qualifications, designed for students who have passed GCSE Mathematics at grade 4 or above, but who have not chosen to study AS or A level Mathematics. These qualifications are equal in size to an AS level qualification and attract the same UCAS points as an AS.

Core Maths is about using maths to solve the kinds of real-life problems you'll meet when studying other subjects and in work and life. You'll learn some new topics, but it also uses some of the maths you already know from GCSE.

Why should I take Core Maths?

Studying Core Maths helps you develop skills that will support the quantitative aspects of courses like **AS/A level Sport Science or PE**, such as interpreting data and graphs, using data to evaluate performance, and analysing motion.

For more information on your options for studying maths beyond GCSE, visit amsp.org.uk/students/gcse/what-next