

South East

Birkbeck, University of London
University of Brighton
Brunel University
Buckinghamshire New University
Institute of Cancer Research
Canterbury Christ Church University
University of Chichester
Conservatoire for Dance and Drama
Courtauld Institute of Art
University for the Creative Arts
Institute of Education, University of London
Goldsmiths' College
University of Greenwich
Guildhall School of Music & Drama
Heythrop College, University of London
Imperial College London
University of Kent
King's College London
Kingston University
University of London
University of the Arts London
London Business School
London School of Economics and Political Science
London School of Hygiene & Tropical Medicine
London South Bank University
Middlesex University
University of Oxford
Oxford Brookes University
Ravensbourne
University of Reading
Roehampton University
Rose Bruford College
Royal Academy of Music
Royal Central School of Speech and Drama
Royal College of Art
Royal College of Music
Royal Holloway, University of London
SOAS, University of London
St George's, University of London
St Mary's University College
University of Surrey
University of Sussex
Trinity Laban Conservatoire of Music and Dance
UCL
University of West London
University of Westminster

South West & South Wales

University of Bath
Bath Spa University
The Arts University Bournemouth
Bournemouth University
University of Bristol
Cardiff University
Cardiff Metropolitan University
University of Exeter
Falmouth University
University of Gloucestershire
The Open University in Wales
University of Plymouth
University of Portsmouth
Royal Agricultural University
University of Southampton
Southampton Solent University
University of South Wales (incl. Royal Welsh College of Music and Drama)
University of St Mark & St John
Swansea University
University of Wales, Trinity Saint David
University of the West of England, Bristol
University of Winchester

North West & North Wales

Aberystwyth University
Bangor University
University of Bolton
University of Central Lancashire
University of Chester
University of Cumbria
Edge Hill University
Glyndŵr University
Lancaster University
University of Liverpool
Liverpool Hope University
Liverpool Institute for Performing Arts
Liverpool John Moores University
Liverpool School of Tropical Medicine
University of Manchester
Manchester Metropolitan University
Royal Northern College of Music
University of Salford

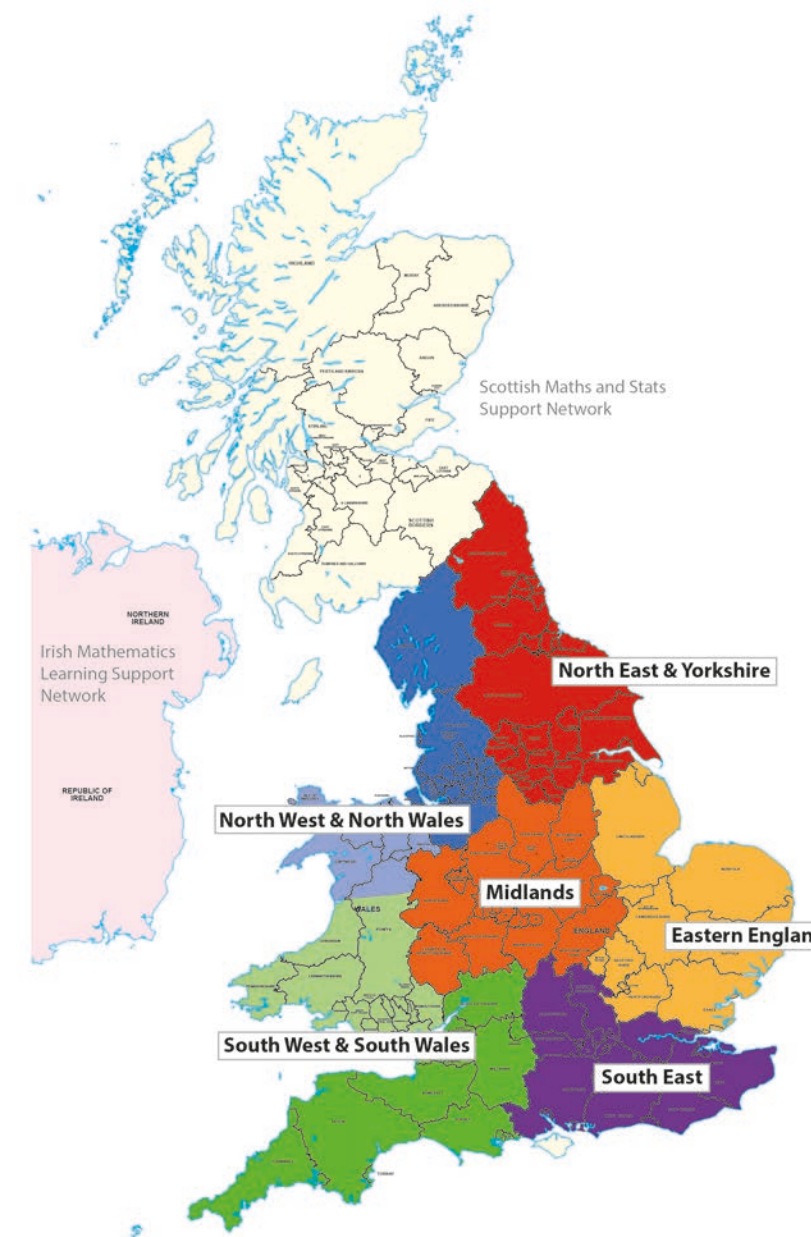


Midlands

Aston University
University of Birmingham
Birmingham City University
University College Birmingham
Coventry University
De Montfort University
University of Derby
Harper Adams University
Keele University
University of Leicester
Loughborough University
Newman University
University of Northampton
University of Nottingham
Nottingham Trent University
Staffordshire University
University of Warwick
University of Wolverhampton
University of Worcester

Eastern England

Anglia Ruskin University
University of Bedfordshire
Bishop Grosseteste University
University of Cambridge
City University, London
Cranfield University
University of East Anglia
University of East London
University of Essex
University of Hertfordshire
University of Lincoln
London Metropolitan University
Norwich University of the Arts
The Open University
Queen Mary, University of London
Royal Veterinary College
University Campus Suffolk
Writtle College



North East & Yorkshire

University of Bradford	University of Newcastle upon Tyne
University of Durham	Northumbria University
University of Huddersfield	University of Sheffield
University of Hull	Sheffield Hallam University
University of Leeds	University of Sunderland
Leeds College of Art	Teesside University
Leeds Metropolitan University	University of York
Leeds Trinity University	York St John University



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sigma Network
Mathematics Education Centre
Loughborough University
LE11 3TU



Duncan Lawson, Newman University - sigma Director

Professor Duncan Lawson became Pro-Vice-Chancellor (Formative Education) at Newman University in March 2013. Prior to this he was Professor of STEM Education at Coventry University. He was Director of the Mathematics Support Centre for over 20 years and co-Director of **sigma** with Professor Tony Croft.



Tony Croft, Loughborough University - sigma Director

Tony has taught mathematics to students in further and higher education for over thirty years. He is currently one of the Directors of **sigma** and is Professor of Mathematics Education in the Mathematics Education Centre at Loughborough University.



Trevor Hawkes, Coventry University - sigma Director

After a long career as an academic mathematician at the University of Warwick, Trevor Hawkes joined the **sigma** CETL in 2008 and now directs the team providing mathematics and statistics support at Coventry University.



Michael Grove - sigma Associate Director

Michael Grove is Director of the STEM Education Centre at the University of Birmingham and teaches at university level. He previously directed the HEFCE funded 3-year National HE STEM Program. He was part of the More Maths Grads initiative and was Assistant Director of the HEA MSOR Network.



Moira Petrie - sigma Assistant Director

Moira is the Project Manager of the current HEFCE funded **sigma** Network. She has been Senior Lecturer (STEM Student Support) at Coventry University, developing a faculty wide peer assisted learning programme. She has several years' industrial experience in e-learning, IT training and media production.



Janette Matthews - sigma Project Officer

Janette is responsible for content and resources for the **sigma**, **mathcentre** and **stats**tutor websites. She was involved in *Communities Project* and the upgrade to **mathcentre** in 2009. Janette also works in the Mathematics Education Centre at Loughborough University, developing a MOOC for mathematics.



David Bowers - sigma Network Chair

David has set up and managed a range of mathematics support centres in further and higher education since 1990, most recently as Head of Learning Development at University Campus Suffolk. He co-ordinated the **sigma** Eastern England Hub from 2011 to 2014 and currently works as an independent consultant. David is Chair of the **sigma** Network.



Abdel Salhi - Eastern England Hub

Abdel is Professor of Operational Research and is Head of the Department of Mathematical Sciences at the University of Essex. He has championed mathematics and statistics support for students and staff for many years. He established the Maths Support Centre at the University, also open to the whole community. He became the Eastern England Hub co-ordinator in 2014.



Ruth Fairclough - Midlands Hub

Currently at the University of Wolverhampton Maths Support Centre, Ruth has 10 years' experience teaching mathematics and statistics to undergraduate and postgraduate mathematicians, engineers and computer scientists. As the new lead of the Midlands Hub, she is looking forward to providing mentoring to new maths support centres and organising regional and national events.



Chetna Patel - North East & Yorkshire Hub

Chetna has been Manager of the Maths and Statistics Help Centre at the University of Sheffield since 2008 and involved with **sigma** since the early days. She recently attained a PhD investigating the effectiveness of mathematics support on mathematical performance. Her research explores how students, who view maths as inaccessible, can be reintroduced to it.



Leslie Fletcher - North West & North Wales Hub

With 45 years' experience as a mathematics academic, Leslie established Liverpool John Moores University's Maths Resource and Support Centre in 2012. He took over the North West & North Wales Hub in 2013. In 2012 he was a **sigma** Visiting Fellow at Coventry University, preparing the report on **sigma**'s highly-valued contribution to the National HE STEM programme.



Noel-Ann Bradshaw - South East Hub

Noel-Ann has been teaching mathematics at the University of Greenwich since 2007. She started the first support group for Greenwich maths students in 2005, which with funding from HESTEM, has become the first Maths Arcade. As a University Teaching Fellow, she is contributing to mathematics teaching and learning at Greenwich and in the wider HE community.



Emma Cliffe - South West & South Wales Hub

Emma has supported the teaching of mathematics in HE for 12 years. She is currently the Mathematics and Statistics Resource Centre Development Officer at the University of Bath. She has provided specialist support for disabled students studying mathematical subjects for 9 years and coordinates the AccessMSORWG network.