# Meet Our NCETM-Accredited Consultants

We have a team of NCETM-Accredited Consultants based across the UK, please read about each individual below:

## Louise Pennington M.A.Ed. - Professional Development Leader

![Louise Pennington](image1.jpg)

Louise is the Professional Development leader for Mathematics and Numicon at Oxford University Press.

She started her career as a teacher, became a Special Educational Needs and Disabilities (SEND) Co-ordinator and Local Authority (LA) Lead Maths and Specialist Teacher; later leading the Local Authority Special Needs Teaching team supporting teachers, parents, children and young people.

She has worked for a national not-for-profit organisation that transforms the lives of vulnerable and disadvantaged children and young people and delivered the National Award for SENCOs as an associate Tutor for Manchester Metropolitan University.

More recently Louise worked as an independent consultant in the field of SEND and maths difficulties and was a lead Numicon consultant and author – she co-authored the Numicon Breaking Barriers publication and the Numicon Pupil Books, also contributing activities to the MyMaths online teaching and homework website. Louise has also had a number of articles focusing on primary mathematics published.

Louise passionately believes that every learner can reach their potential through innovative and engaging teaching which utilises multi-sensory techniques and approaches.

## Adella Osborne

![Adella Osborne](image2.jpg)

Adella works as an independent primary mathematics consultant providing support and information across the primary age range in mathematics and assessment. She is passionate about promoting children's understanding of mathematics through the use of resources and mental imagery.

Her expertise lies in maths teaching and learning & assessment with a particular strength in developing teacher's subject knowledge. This has been developed in part through her previous role as a senior lecturer in mathematics education at the University of Brighton.

Adella has also been involved in the MaST programme as both a local authority consultant and as a senior lecturer, adding to her deep subject and pedagogic knowledge which is augmented by a wide range of research and literature. She has also recently become an accredited Professional Development Lead through the NCETM and is a member of NAMA.

She has strong involvement in curriculum/assessment design and test development having previously worked as a 3-14 mathematics adviser at QCA and continues to provide subject-specific advice and training to a wide range of educational organisations at national, regional and local level, including providing curriculum advice to the Department for Education (DfE) on the KS1 tests. Adella is also an author for Oxford University Press and has recently been involved in writing some of the Year 6 Numicon teaching materials, drawing on her classroom experience and subject expertise to produce high-quality resources.
<p>| <strong>Andrew Jeffrey</strong> | Having taught for twenty years, Andrew is now the director of Magic Message Ltd delivering primary maths training, and is fully acquainted with the demands of the primary classroom. He works domestically and internationally, as well as being an independent primary maths consultant and keynote conference speaker, and is one of the experts responsible for delivering OUP’s expert events. Andrew is also known for his alter-ego as the Maths Magician and is the original creator of the ‘Magic of Maths’ show, seen in over a dozen countries on three continents. He is fluent in nearly two languages. |
| <strong>Caroline Clissold</strong> | Caroline is an experienced teacher, having taught from Years 1 to 6. For nine years, she was the mathematics consultant for a London borough, responsible for implementing the National Numeracy Strategy into local schools and subsequently the renewed version. She used to be coordinator and maths hub advisor for the NCETM, a role which taught her a great deal about mastery in mathematics. She now works as a freelance consultant, her jobs include: INSPIRE trainer, Numicon trainer, delivering INSET and supporting the teaching and learning of a mastery mathematics curriculum in various schools in London and the South East of England. Caroline has had many articles and books published. Her main interests lie in integrating, using and applying speaking and listening skills in a meaningful, engaging way into the mathematics curriculum, helping children to understand how concepts and ideas in mathematics link together and incorporating mathematics into the wider curriculum. |
| <strong>Cheryl Everitt</strong> | Cheryl Everitt started teaching in a Special Needs School in 1970, before moving into mainstream primary education. Her career has been varied, with many years spent in both KS1 and KS2, with continued experience in special needs in a KS3 unit, and occasionally as SENCO. She continues to work in schools with children and teachers – in an advisory capacity as a teacher mentor, and with children on a 1:1 or group basis – with both able and struggling learners. Cheryl was very proud to receive the Ted Wragg Award for a Life Time Achievement in Teaching in 2009, followed by a Master’s qualification in 2010. As well as her current role in schools, Cheryl also works closely with the Head Teachers in a locality of schools – primary and secondary – where she facilitates Locality Learning through curriculum development and CPD, leads projects to raise standards in attainment in Mathematics and Literacy, and supports a team of Learning Mentors. Since discovering Numicon, Cheryl has enjoyed having the opportunity to continue her own learning and being able to facilitate others’ learning journeys. Her expertise is in coaching and supporting teachers to build confidence and competence in mathematics teaching and learning. |</p>
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<th>Debbie Streatfield</th>
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<td>Debbie Streatfield has been using the 'Numicon' approach to enhance her own and others’ practice in mathematics teaching for over twenty years, having attended a course run by Tony Wing when the approach was in its infancy. Having led mathematics in a primary school, and worked as a Leading Mathematics Teacher, she joined the mathematics team in West Sussex in 1999 to successfully introduce the 'National Numeracy Strategy' to schools. She continues to work for this LA, supporting a range of schools to develop their mathematics, wider curriculum and leadership skills. She has worked with teachers, teaching assistants, governors, subject leaders, head teachers and anyone else who will listen. Debbie gained an MA in Early Mathematics Intervention through her work as an Every Child Counts Teacher Leader and continues to lead these intervention programmes for West Sussex schools. To ensure that her skills, knowledge and understanding are as up-to-date and relevant as possible she regularly teaches, particularly children who find mathematics a challenge, and keeps abreast of current thinking through attending professional development and avid reading of research about the most effective approaches to teaching mathematics. She is an NCETM (National Centre for Excellence in Teaching Mathematics) accredited Professional Development Lead and has worked alongside Brighton University to lead groups of teachers undertaking the MaST (Mathematics Specialist Teacher) programme. Course participants often comment on her enthusiasm for teaching and learning mathematics as she works to transform mathematics teaching in schools across the country.</td>
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<th>Donna Varney</th>
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<td>Donna Varney is an independent Education Consultant based in Manchester with over 20 years of experience in the Primary sector. She is a Teacher Leader for the Every Child Counts Programme. Donna taught for 13 years in an inner-city Manchester Primary school where she became a leader for PE and ICT. She went on to work as a Primary Consultant specialising in ICT, Whiteboard technology and Mathematics as part of the Primary Strategy Team. Donna has gained a Master’s Degree in Early Mathematical Development. Her research study focused on the use of collaborative professional development which she utilises in her training. Donna has delivered and facilitated training to a variety of audiences including; Teaching Assistants, Teachers and leadership teams. She is an enthusiastic passionate facilitator who works hard to ensure active participation and engagement of her participants! Donna teaches small groups and individual pupils who struggle with mathematics. Working with pupils allows Donna to puts all her training, knowledge and skills into action, which in turn supports her development as a trainer. Donna is an avid believer in active contextual-based learning and making learning accessible to all. She has utilised Numicon as parent, aunt, teacher, leader and trainer and believes the resource supports learners to really make sense of Mathematics.</td>
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### Fiona Goddard

Fiona Goddard is an independent Mathematics Consultant supporting a number of schools in Northamptonshire and beyond, and has over 25 years’ experience in Education. She has taught throughout the Primary age range, from Reception to Year 6 as a class teacher, leading a Designated Special Provision, and as a leading teacher for mathematics for the Local Authority, a Local Authority Maths Adviser and a School Improvement Adviser. She is an NCETM accredited Professional Development Lead Support provider for primary schools. She is passionate about the Numicon approach, the use of models and images and is keen to promote its use to support and enhance the learning of children of all abilities. She wants all children to have the best experiences when learning mathematics in order to develop their mathematical understanding needed to become confident mathematicians.

### Geoffrey Schneiderman

Geoffrey Schneiderman lectures at the University of Birmingham on the Primary Mathematics Specialist Teacher programme and works to develop and support primary mathematics in schools as an independent adviser. Prior to his promotion to the National Strategies in 2009, he enjoyed five very happy years working with primary schools in Herefordshire as a National Strategies Numeracy Consultant, implementing national initiatives and supporting schools through reviews, subject network meetings and professional development, either collaboratively or through training. He has had a rich experience of Numicon, which he helped introduce and trial in 10% of Herefordshire primary schools commencing in 2005.

Before he came to Herefordshire in 2003, he held a number of positions as a class teacher and roles of responsibility separately for Mathematics, Music and Special Needs in different schools in London. During his teaching career, Geoffrey has run school orchestras and taught music to children across the primary age range and worked as a specialist mathematics teacher and part of a special needs team. His experience is with children from Reception up to Year 7 in a middle school. Creativity in teaching and learning is at the heart of his education philosophy, challenging both teachers and children to always do the very best that they can and to be motivated to investigate and enquire as broadly as possible.
### Helen Laflin

Helen Laflin is a primary mathematics specialist with fourteen years’ experience of working with children, teachers and leadership teams to raise standards in mathematics. Helen is an independent mathematics consultant, having previously worked as a school improvement consultant for Leeds City Council for eight years. Helen is also an Every Child Counts lead trainer working for Edgehill University.

HMI and Ofsted have rated Helen’s teaching as outstanding, and her mathematics subject leadership was recognised as fundamental to the raising of standards. She has a postgraduate diploma in early mathematics and intervention, and holds the National Centre for Excellence in the Teaching of Mathematics (NCETM) standard for professional development.

Helen’s interest in how children learn is the result of her Psychology degree, and remains the focus of her work today. She is passionate about the role of models and images in ensuring children become fluent and confident mathematicians. Helen continues to balance consultancy and training adults with teaching mathematics to the lowest attaining children in school. She relishes the opportunity to work with children, and her ability to “practise what she preaches” as a mathematics specialist.

### Jackie Bird

Jackie has worked in Education as both a practising teacher & trainer for over 35 years. She has taught in both Primary and High schools, but her main area of expertise is predominantly with students with Additional Needs. She has been a Senior manager for over 25 years, as well as being Deputy Head of 2 Specialist schools catering for students with diverse and frequently challenging levels of need, aged between 3 & 19. Jackie has used Numicon in her own teaching since its inception & has also trained literally hundreds of staff in over 25 schools throughout North East Wales in her capacity as an Affiliate trainer. She also worked for the Welsh Office delivering their “Unlocking the Potential” initiative for 6 years through Outreach support, providing training & teaching strategies for staff to allow greater student access to literacy and Numeracy skills, as well as providing an enhanced transition programme for vulnerable or challenging Year 6 pupils.

Jackie believes passionately that ALL students can achieve their maximum potential, whatever their level of ability, if provided with the right tools and effective motivational teaching. She has very recently made a huge “leap of faith” by giving up her “day job” of Deputy Head to concentrate solely on being a Numicon Consultant. She hopes her enthusiasm, commitment & total belief in the resource will be evident, so that consequently, she will be instrumental in motivating other professionals to take on the Numicon approach and be “rewarded” by the progress and enjoyment their students experience.
### Jane Liddle

Before Jane Liddle’s appointment as a primary maths, and later Maths Specialist Consultant Lead in Oxfordshire, she taught within three Local Authorities, from Foundation to Year 6, in both rural and urban contexts, including a four class and four - form entry school. As a maths consultant she has supported a wide range of schools providing coaching and mentoring, subject leader support, and through writing and delivering courses and training, taking account of the educational ‘landscape’.

She has been privileged to work in partnership with Reading and Northampton Universities, since 2010, to support cohorts of teachers to become primary maths specialists.

Accredited by Edge Hill University as Every Child Counts trainer, and currently serving on the National Association of Mathematics Advisers (NAMA) executive, Jane holds the National Centre for Excellence in the Teaching of Mathematics (NCETM)’s’ CPD Provider standard and PD Lead quality marks, and the National Professional Qualification for Headship (NPQH).

Jane is passionately committed to working in partnership with schools, to support school development at all levels: to motivate and inspire, and to deliver high quality maths experiences for all children.

### Julie Mitchell

Julie has wide experience of primary level across all age groups at state, independent and international schools. An extremely experienced senior manager, she has been the head of two pre-prep schools.

Most recently Julie has been maths co-ordinator at a highly prestigious school selected for the November 2011 Ofsted ‘Good Practice in Primary Mathematics: evidence from 20 successful schools’. Having been terrified of maths as a child, she is passionate about developing confident mathematicians – both pupils and teachers!

Julie firmly believes that every teacher’s time is precious and that training should be time-effective and accessible, so that best practice becomes naturally embedded in daily routines.
Kath John

Kath has over 35 years’ experience in Primary Education, having taught across the primary age range both as a class teacher, mathematics subject leader and in a support and intervention role as well as being a member of senior management. The last 13 years of her career have been spent in an advisory capacity with the Vale of Glamorgan Education Authority and subsequently with Central South Consortium as a primary mathematics specialist, providing training and support to many schools in all aspects of mathematics including more able and talented and additional learning needs. She is currently an independent primary mathematics consultant. She has provided training across the UK and Republic of Ireland in intervention and basic skills work.

Kath is passionate about enabling all pupils to experience positive attitudes and success in mathematics ensuring they develop a love of, and enthusiasm for, the subject at all levels. Much of her recent work has been to ensure pupils develop skills in problem solving and reasoning in mathematics, working with clusters of schools, as well as individual schools to embed these aspects in school practice. She is a firm believer in ensuring children understand the principles, not just the practice, of mathematics through a multi-sensory approach and sees Numicon as being an invaluable resource to develop pedagogy as well as providing practical resources to achieve this aim. Kath holds a PG Dip Prim Ed and MA(Ed) in primary mathematics and is constantly seeking creative ways to enthuse and inspire all young mathematicians through engaging, thought provoking and stimulating activities which will provide a solid base for their development. She also firmly believes that pupils should have plentiful opportunities to articulate their thinking and reasoning with their peers and other adults and thus be able to make connections across areas of mathematics.

Lisa Lalor

Lisa Lalor has worked in primary schools for the last ten years as a class teacher, mathematics leader, member of senior leadership team, accredited Numbers Count teacher, Numicon Affiliate and a school based mathematics adviser in Barnet. She is now an independent mathematics trainer and consultant, associate adviser for BPSI and Numicon consultant for OUP. Lisa has delivered professional development opportunities across a wide range of areas of mathematics to educators in a number of schools.

Lisa has held a lifelong passion for mathematics and is dedicated to improve maths education for all. She advocates the use of manipulatives and visual representations, such as Numicon, to embed understanding by making abstract concepts ‘real’. Lisa strongly encourages talk for learning through group problem solving and has a desire to reduce ‘maths anxiety’ which is so detrimental to teaching and learning. She believes everyone can do mathematics and promotes a growth mindset for children and adults alike.

Liz Gibbs

Liz Gibbs is an experienced national and international independent mathematics consultant. She has over 17 years’ experience as a classroom teacher, teaching children from the age of 4 to 13 years old and has 10 years’ experience as a mathematics consultant with Suffolk LA. During 2003 – 2005 she was involved in the interactive whiteboard DfE project. Following the projects successful roll out, she spent some time working for the national strategies as a regional director for the East and East Midlands. Liz is an experienced and enthusiastic trainer who is passionate about mathematics. She is also recently published as one of four authors for Years 1 to 4 Numicon: Geometry Measures and Statistics and one of three UK editors for the Inspire maths approach.
**Liz Henning**

With more than three decades experience in mathematics education, Liz has worked as Head of Mathematics in two schools, Senior Leader, LA Advisory Teacher and University Tutor. She was North England Director for the Mathematics Enhancement Programme (MEP) and NW Regional Co-ordinator for the National Centre for Excellence in the Teaching of Mathematics (NCETM). She has developed initiatives on lesson study and support materials and networks for mathematics leaders and recently qualified teachers.

Liz now works as an independent consultant across primary and secondary sectors. She has an MA in Educational Leadership, a NPQH and is finalising her doctoral thesis on leadership in challenging schools. She is a NCETM accredited Professional Development Lead Support provider for primary and secondary. Liz's passion is to make mathematics more interesting, accessible and relevant to children and adults.

**Louise Burnett**

Louise is passionate about supporting all those involved with the teaching and learning of mathematics; raising standards and helping all to achieve their best. Her enthusiasm for supporting mathematics teaching is evident in all of her work and highly practical training and development sessions. She has nearly 20 years’ experience working in primary education. Louise has worked as a senior teacher in school as well as a Local Authority Teaching and Learning Consultant for mathematics. Louise has worked closely with Edge Hill University and their Maths Specialist Teacher Programme and was a Regional Co-ordinator for the National Centre for Excellence in the Teaching of Mathematics (NCETM). She continues to work alongside them and the maths hubs, supporting development work and training for teachers, in her current role as an independent consultant.

**Lynwen Barnsley**

Lynwen Barnsley currently works as an independent numeracy consultant based in South Wales. An experienced practitioner, she has taught across all primary age groups, though has always had a particular interest in the Early Years. She started her teaching career working in the London Boroughs of Haringey and Enfield and it was here that she developed her interest in making mathematics accessible and fun for young children.

She moved to Wales to take up the post of deputy head teacher in an infant school and then spent 14 years as the mathematics adviser for the City and County of Swansea, providing training courses and support for primary and secondary schools.

Lynwen firmly believes that in order to learn effectively children need to be active and to talk about their learning and thinking. She has developed approaches that promote the understanding of mathematical concepts rather than an over emphasis on the learning of procedures and techniques. She is enthusiastic about Numicon because it gives children the opportunity to experience mathematical concepts and connections in a physical way, to visualize ideas and to communicate thinking.

As well as being experienced in working with Numicon, Lynwen has had many years’ experience of delivering training in cognitive acceleration, in particular the Primary CAME and Let's Think through Maths programmes. She is also currently providing specialist numeracy support to schools as part of the Welsh Government's National Support Programme, with a particular interest in developing numerical reasoning.
### Maria McArdle, M.A.Ed. (Teaching and Learning)

Maria McArdle is passionate about mathematics: developing enjoyment, conceptual understanding and greater confidence for all teachers and learners.

After an initial career in Scotland, in ICT support at Strathclyde University, she received her PGCE (mathematics specialism) from the University of Nottingham and began her primary teaching career.

An experienced primary practitioner, Maria has experience as a Head Teacher, Local Authority Mathematics Advisor and Senior ITT Primary Mathematics Lecturer, where she works with trainee teachers and MaST teachers.

Maria has worked within EYFS, KS1 and KS2 and in a secure unit with adults with complex needs. Her research interests are outdoor learning, gender differences in attainment, and teachers’ and pupils’ confidence and anxieties and their relationship with attainment in mathematics. She is an accredited Numicon and Inspire trainer, a PD accredited member of NCETM and a member of the Mathematics Association, serving on its joint MA/ATM Primary Committee.

Maria loves having the opportunity to work with colleagues and children nationally, sharing and fostering a love of learning (particularly in mathematics).

### Maria Rundle

Maria is an independent consultant specializing in mathematics and assessment. She began her career as a primary teacher and has taught both KS1 and KS2. She was also an AST for mathematics and Assessment for Learning and a National Strategies consultant supporting mathematics and whole school improvement. Maria has delivered training for many aspects of mathematics and assessment, helping to lead the National Assessment team in Cornwall. She is an experienced Numicon practitioner and has provided training for schools in many different aspects of the Numicon approach.

### Nathan Crook

‘Prior to becoming a maths consultant, Nathan taught children in Years 1-6 across three Oxfordshire primary schools, including those in both urban and rural settings. During this time, he qualified as a Maths Specialist Teacher (MaST), which also led to him becoming part of the National College for Teaching and Leadership’s ‘small schools making an impact’ programme. Nathan works on the Executive of the National Association of Mathematics Advisers. More recently, he has developed a specialism around mathematics in the Early Years and has led linked training both in Oxfordshire and on behalf of other Local Authority teams.

Driven by his passion for helping to ensure that all children access mathematics learning to the full, Nathan has supported many schools across the county in delivering high quality teaching and learning. He also believes in the power of mentoring and coaching, around which he has refined his skills whilst working to complete the National Professional Qualification for Headship (NPQH) programme.’
### Peter Warwick

Having previously worked in accountancy and credit and financial analysis, Peter now has over 20 years’ experience of primary school teaching. During this period he has held several senior leadership roles, including that of a deputy head and inclusion manager.

He supported many school in London over several years in his role as an Advanced Skills Maths teacher before undertaking his current role as a Primary Maths Teaching and Learning Consultant for the London borough of Enfield.

Peter has presented at both Numicon and Inspire Maths conferences and has produced teaching materials for Numicon that encompass variation theory and deeper challenge.

He is passionate about supporting the maths development of children from the early years up to upper KS2, including those with special education needs and those deemed to be gifted and talented.

### Rebecca Hamburger

Beca has extensive experience working in the education sector as both a teacher and consultant.

She has taught across all phases of primary education and has worked with teachers and pupils into KS3 and 4. More recently she has worked as an independent consultant within the South East working directly with schools or as part of commissioned support by local education authorities. Her support focuses on school improvement, developing subject leadership and the teaching and learning of mathematics. Part of this role also involves working with student teachers in ITT. Beca also works as a governor and is a local leader of governance in Kent.

Beca has a particular interest in early conceptual development in mathematics, EYFS and KS1, as well as creative approaches and problem solving. She is passionate about increasing children’s enjoyment of mathematics and developing creative approaches to teaching.

Beca holds the NCETM PD standard as we as being an accredited PD lead.

### Rebecca Holland

Rebecca Holland is committed to facilitating the development of skills to improve education and outcomes for all children. She has gained a wealth of experience from working within Cheshire and across the North West and West Midlands as a Primary Teacher, Chair of Governors, Primary Mathematics Consultant and an Improving Schools Consultant.

Mathematics is an area of the curriculum that Rebecca has always been passionate about developing and enriching. She has worked with individual teachers, subject leaders, and whole school staff or through bespoke training courses to enhance other individuals’ enjoyment and understanding of progression within the subject with the aim of eradicating a negative attitude towards mathematics.

Funding from the National Strategies provided Rebecca with privileged opportunities to lead and co-ordinate a variety of evidence-based research projects, including a study on girls’ attainment within mathematics. Rebecca co-ordinated the roll out of the Mathematics Specialist Teacher Programme for Cheshire East and Knowsley local authorities in partnership with Edge Hill University, authored and co-ordinated the Teaching Assistant training programme and was a member of the ‘MaST’ Management Board.

Rebecca has achieved the National Centre for Excellence in the Teaching of Mathematics (NCETM) Professional Development Accredited Lead status and therefore features on the national preferred CPD provider directory. She is a member of the Mathematical Association and the Maths Recovery Council.
| **Rowan Waller** | Rowan has over 25 years’ experience of teaching, subject leadership, consultancy and ITT gained across the primary phase.

Her special interest in the mathematics curriculum developed at an early stage in her career and since that time she has worked for the National Numeracy Strategy and as a numeracy consultant for several LEAs. Until recently she was Senior Maths Consultant and subject leader for the London Borough of Lewisham where she worked closely with teachers and TAs in meeting and exceeding school improvement targets.

She is committed to the principle of confidence building, especially in mental mathematics and the importance of creating a stimulating learning environment. |
| **Sami Miller** | Sami Miller has been teaching and working as a school improvement consultant for over 20 years. She has a wide range of experiences across the primary age range from EYFS to transition to Year 7. Her experience is primarily in Inner London, although in a very diverse range of schools. She now works part-time as a local authority school improvement consultant in Camden, supporting schools in raising expectations, developing subject knowledge and encouraging teachers, staff and pupils to love maths.

Sami was involved in delivering local sessions to two MaST (maths specialist teacher) cohorts. She has recently been involved in a project to consider the use of Lesson Study in improving teaching and learning in maths, and following its success this project is due to expand further.

Sami is passionate about creativity in maths teaching and learning, believing that curiosity, confidence and enthusiasm are key factors in influencing pupils’ knowledge and understanding.

Sami trained as an OFSTED inspector in 2011 and is the Chair of Governors at a local school. |
| **Sarah Martin** | Sarah Martin is an experienced Teaching and Learning Consultant for Mathematics. She supports schools in developing and enhancing mathematical provision for all children linked to subject knowledge, effective teaching and learning and assessment strategies. Sarah is passionate about providing children with the opportunity to be confident and enthusiastic mathematicians.

Sarah has worked as a senior teacher in schools as well as a Local Authority Teaching and Learning Consultant for mathematics in Wigan. She has also been involved in the Edge Hill University MaST programme as both a local authority consultant, independent consultant and as a senior lecturer writing materials and providing training. She is also an accredited Professional Development Lead through the NCETM.

Sarah strives to provide high quality training and support for schools which is tailored to reflect the needs and requirements of children and staff. |
### Sarah Skelley

Mathematics is an area of the curriculum that Sarah has always been passionate about developing and enriching. She has worked with individual teachers, subject leaders, and whole school staff, or through bespoke training courses, to enhance other individuals’ enjoyment and understanding of progression within the subject. Her aim is to eradicate negative attitudes toward mathematics.

Sarah has many years’ experience as a Primary Learning and Achievement Consultant specialising in mathematics across Cheshire. Sarah has worked with teachers across Cheshire, providing them with high quality professional development, which has transformed the way they teach children mathematics. Sarah now runs First4Maths Ltd with her partner, Toni Reid, a consultancy team who inspire, challenge and support practitioners.

Sarah has had regular opportunities to teach within this role and has been recently employed as a Year 5/6 and Year 2 teacher, which enables her consultancy support to remain current and up-to-date.

Prior to working as a consultant, Sarah enjoyed a career working in three very different schools, providing her with many opportunities to extend her knowledge, skills and understanding of effective teaching and learning. She loves teaching and has been graded as a good to outstanding teacher by OFSTED. Sarah also co-ordinated the roll out of the Mathematics Specialist Teacher Programme for Cheshire West and Chester, in partnership with Edge Hill University. This programme aims to develop a maths champion and to raise the profile of mathematics in participating schools.

Sarah is committed to ensuring that everything she offers is tailored to the exact needs of that learning community, developing excellent working relationships with all partners.

### Sian Thomas

Sian Thomas has significant experience of working with primary schools and is currently the mathematics consultant for Barnet Local Authority in North London. She is passionate about her subject and where it sits within our everyday experiences. This is evident in all aspects of her work, whether in schools or when delivering training.

Sian has previously covered the role of Gifted and Talented (G&T) adviser in Barnet, co-managed Barnet’s Advanced Learning Centres, overseen the Maths Specialist Teacher Programme in conjunction with the Institute of Education, King’s College and Enfield LA, and managed and led two successful international research trips on Creativity and the wider Curriculum (FS to KS4).

Sian fully believes that all children can “do maths”, and that talk for learning, relevant use of manipulatives and well developed habits of mind will do this. “The children’s learning should come from their starting point and not ours.” Numicon sits very neatly in this belief system.
Susie Marshall

Susie worked in an inner-London primary school for 15 years, initially as a KS2 class teacher, then Deputy Head and finally Acting Head. As Deputy, Susie was responsible for teaching children with Additional Support Needs in Mathematics, as well as developing the Foundation Stage and KS1 curriculum. During this time, she became passionate about the Numicon approach, not only using it in her own teaching, but also introducing it throughout FS and KS1.

Throughout her career, as a Leading Teacher with her Local Authority and as a leader in a Beacon School, Susie has worked with schools to support teachers and teaching assistants to improve teaching and learning practice.

Susie has been teaching in Glasgow for the last 5 years, working across the primary age range. During this time she has seen how the Numicon approach meets the aims of the Curriculum for Excellence. She has been responsible for matching some of the Numicon materials to the CfE experiences and outcomes.

Susie is fascinated by children’s learning of Mathematics; how the use of models and images can overcome barriers to understanding and foster confidence and enthusiasm. Whilst continuing her work as a Numicon Consultant, she is about to embark on a Masters in Educational Studies at Glasgow University with a primary focus on Mathematics.

Toni Reed

Toni Reid has been a mathematics consultant for 12 years and is passionate about creating opportunities for school staff and children to become confident about mathematics. Toni has supported a wide range of schools, from those that are in a vulnerable position to those that are looking to further enhance their outstanding practice. Within these different circumstances she has been able to provide support tailored to the needs of the school and has had a positive impact on standards and quality of delivery of mathematics. Toni has gained the trust and respect of the teachers that she has worked with by setting out clear expectations for changes needed and by modelling the effective practice that is required to bring about improvements in the standards and delivery of mathematics.

Toni was a Mathematics Subject Leader and Gifted and Talented coordinator prior to working as a consultant. During her time as a class teacher she gained a Post Graduate Qualification in Gifted and Talented Education and has used this work to support the development of training to ensure effective challenge for all children.

Toni worked alongside her business partner Sarah Skelley for 7 years as a primary mathematics consultant before they set up their own company First4Maths Ltd in October 2011. Toni holds the National Professional Qualification for Headship (NPQH) and works effectively with Senior Leadership Teams to plan strategic programmes of support.
Tracy Bolton

In her capacity as a Primary Mathematics Consultant, Tracy enjoys working with a wide variety of schools to share her enthusiasm and expertise with others. She is an experienced former Advanced Skills Teacher whose specialism and passion is Primary Mathematics.

For many years she worked as a Senior Manager, Numeracy Subject Leader and Leading Mathematics Teacher. With over 26 years’ experience working as an outstanding Primary practitioner, in both Bedfordshire and Somerset, she has taught extensively in both KS1 and KS2 and so has a great deal of knowledge and expertise that she wants to share.

Tracy’s CPD sessions are practical, fun and highly relevant and staff always leave with new ideas and strategies to transfer to their own classrooms. She loves the fact that through creative, exploratory activities, Numicon resources both enable and empower children to gain a deeper conceptual understanding. In turn, they can then really learn to make the connections and appreciate the “beauty” of what is Mathematics!

Val Willmott

Val Willmott has 25 years’ experience in primary mathematics. During this time, she has been a class teacher, headteacher, education consultant and author. She has first-hand experience of implementing a multi-sensory, CPA approach throughout the primary age range, and has seen the benefits that this learning brings to all children’s enjoyment of, and achievement in, mathematics. She has a particular interest in promoting the use of low-threshold, high-ceiling activities that help to develop each learner’s critical and creative thinking skills. Val is committed to improving outcomes for all pupils, by giving teachers the time to explore and refine new ideas according to their pupils’ needs. She does this by encouraging teachers to collaborate, innovate, and share successes during sessions, alongside developing their pedagogical and subject knowledge of mathematics.
Viv Lloyd

Vivian has had a rich and varied career which started off in working in a school in challenging circumstances where she developed her own practice and also became part of the leading teacher programme which supported the embedding of the National Numeracy Strategy. Vivian quickly took up a post as the subject leader for mathematics and the leading teacher role expanded to include the development of courses for the Cheshire Mathematics Team. Through her work in supporting the mathematics team Vivian applied for and was successful in obtaining the post of a local authority consultant. It is this experience that Vivian feels really enhanced her love and commitment to learning and teaching in mathematics. Vivian worked in this role for a few years; writing and leading local and national training materials. Whilst in the consultant role Vivian worked with senior leadership teams to develop whole school provision and undertook an MA and her NPQH. She then moved to a deputy headship of a school of 400+ pupils. Vivian has always had an interest in the wider aspects of learning and teaching and brings many of the active learning approaches into her work. Her teaching was recognised by OFSTED and the local authority as Outstanding. Vivian then went on to become Head of a Lower School in a British International School in Texas.

Vivian Lloyd currently leads the PGCE Primary Award at Staffordshire University and works across many aspects of the award taking a lead on learning and teaching in mathematics, supporting all pupils in their learning, ensuring progress and challenging learning. She is an enthusiastic and committed practitioner who endeavours to make all training sessions the best possible learning experience through a mixture of theory, practical and integration with classroom pedagogy.

Vivian has developed her role with Numicon through the hands on support that she provides to schools within the University's multi academy trust. Vivian provides the support for the leadership of mathematics as well as supporting practitioners with developing their subject knowledge and their approaches to learning and teaching. Vivian has seen the way that children work with Numicon and the enhanced level of understanding that children have through the systematical development of structured apparatus. Vivian is currently involved with the NCETM Mastery Maths Hubs and is an area lead for Mastery.

Ann Jones

Ann Jones is an independent Mathematics Consultant, supporting schools across North Wales and beyond, and has over 20 years’ experience in Education. After leaving her Primary teaching and mathematics subject leader post, she became Local Authority Primary Maths Adviser as part of the School Improvement team in Flintshire. In 2013, she became an Independent Consultant along with being Director of ‘SARN’, an educational company that strives to improve the education experiences of all, particularly in mathematics. During this time, she has co-authored materials to assist schools with the implementation of the Numeracy Framework in Wales.

She is an Inspire Maths and Numicon consultant for OUP and is passionate about the use of models and images and believes in the use of concrete, pictorial, abstract approach to teaching mathematics. She wants all children to have the best mathematical experiences in order that they become confident mathematicians.

She has previously been involved in curriculum design for Wales for the Revised Curriculum 2008 as well as working for the WJEC on the external moderation of pupil profiles across Wales.