

Maths Subject Leaders: Support and Professional Development

Title and shop links	Structure and participants	Details	Cost
Maths subject leader consultation session	<p>Opportunities for consultation with an adviser, of up to 45 minutes, aimed at subject leaders</p> <p>Times available on one Thursday of each month</p>	<p>Online consultation with a Maths Adviser for subject leaders to discuss issues relevant to their school.</p>	<p>Free for Devon maintained schools</p> <p>£45 for all other schools</p>
Primary Maths Subject Leader Meetings	<p>Termly half-day meetings</p>	<p>Subject leaders come together to explore and discuss cutting edge thinking and research and reflect on it in their own specific context. They receive and consider guidance on managing their subject leadership role and are provided with access to national and local updates along with opportunities for networking.</p> <p>These meetings are offered face to face in three locations in Devon and online.</p>	<p>£75 per person per meeting</p> <p>Packages available:</p> <p>£181 termly meetings for maths across the year</p> <p>£323 termly meetings for maths plus English across the year</p>
Maths Subject Leadership Programme	<p>Blended PD programme (online and face to face) which runs across four afternoons and is aimed at subject leaders, whatever their experience. The programme also includes a one to one support phone call with the adviser.</p> <p>Runs from end of autumn term to beginning of summer term</p>	<p>The role of the maths subject leader means having responsibility for: developing the quality of teaching and learning; ensuring the curriculum is well sequenced and coherent: managing resources; and having direct leadership responsibility for a number of staff to ensure that together they are able to secure the best outcomes for children in mathematics. Each of the four afternoon sessions is designed to stimulate leadership thinking and develop leadership capacity to support and challenge, in order to secure school improvement in mathematics and develop personal career potential. Teachers work with a learning partner and engage in three in-school activities between sessions in their own and their partner's schools; two of these may need to take place during school time.</p>	<p>£30 per person for Devon maintained schools</p> <p>£150 per person for all other schools</p>

MATHS Professional Development Focussed on Teaching and Learning:

Content and Pedagogical Subject Knowledge

Title and shop links	Structure and participants	Details	Cost
Maths Mind Snacks for Teachers	<p>Half-termly across the autumn and spring terms for each age group</p> <p>Teachers can attend one or multiple sessions.</p>	<p>Online one hour PD sessions focussed on specific areas of mathematics, which allow teachers to work on maths together as part of a wider mathematics community. Oracy will be a thread running through all sessions which will focus on developing mathematical thinking and reasoning.</p> <p>A session will run each half term for: Reception, Y1/2, Y3/4 and Y5/6. A full schedule will appear in the shop. These sessions will all run from 16:00 – 17:00</p>	<p>Free for Devon maintained schools</p> <p>£20 per person per session for all other schools</p>
Developing Reasoning Programme: Nursery to Y1	<p>Yearlong PD programme built around six face to face days across the year plus up to three collaborative lesson study experiences (school-based)</p> <p>EYFS and Y1 teachers</p>	<p>One of the challenges in mathematics teaching is supporting children to reason about their mathematics: notice things, use what they know, make connections and make decisions. This needs to start with the youngest children and continue throughout their education. This programme is targeted at Foundation Stage and Y1 teachers and includes:</p> <ul style="list-style-type: none"> • Six face to face PD days (two each term) exploring both executive function and aspects of mathematical understanding that are key to early development including pattern, number and spatial awareness • In-school activities between days (working with pupils and with colleagues) • Cycles of collaborative lesson study which involve working with teachers from other schools and a maths adviser to plan in detail an adult-led session, which is then taught and observed with a follow up discussion. 	<p>£50 per person for Devon maintained schools</p> <p>£250 per person for all other schools</p>
Developing Reasoning Programme: Y1 to Y6	<p>Yearlong PD programme built around six face to face days across the year plus up to three collaborative lesson study experiences (school-based)</p> <p>Y1 to Y6 teachers</p>	<p>Thinking is at the heart of mathematics and developing reasoning is about developing mathematical thinkers. Reasoning is one of the aims of the national curriculum, underpins a teaching for mastery approach and is increasingly the focus of tests and exams. It is also the key to building strong mathematical communities. This programme will support Y1 to Y6 teachers to examine reasoning in depth and provide them with practical ideas for how they can make this part of their daily practice. The programme includes:</p> <ul style="list-style-type: none"> • Six face to face PD days (two each term) exploring how to teach key mathematical concepts so that learners gain a deep understanding • In-school activities between days (working with pupils and with colleagues) • Cycles of collaborative lesson study which involve working with teachers from other schools and a maths adviser to plan in detail a group session, which is then taught and observed with a follow up discussion. 	<p>£50 per person for Devon maintained schools</p> <p>£250 per person for all other schools</p>

MATHS Professional Development Focussed on Teaching and Learning continued:

Content and Pedagogical Subject Knowledge

Title and shop links	Structure and participants	Details	Cost
<p>NEW for 2022/3 Planning for Coherent Maths Lessons Y1 to Y3 and Y3 to Y6</p>	<p>Blended PD programme (two half days online and two full days face to face)</p> <p>There is a choice of two versions of this programme, one aimed at Y1 to Y3 teachers and one aimed at Y3 to Y6 teachers</p> <p>Teachers with mixed-age classes will be fully included.</p>	<p>Planning maths lessons for equitable and robust learning communities (lessons which build on prior learning and experiences, support oracy and encourage reasoning) is an ongoing challenge for all teachers. This programme will explore key ideas underpinning planning for coherent and connected maths experiences and provide an opportunity to collaboratively plan for two different types of lessons: episodic and teaching through problem-solving. The programme runs across four consecutive weeks and includes:</p> <ul style="list-style-type: none"> • Half day introduction exploring building on prior learning, the use of diagnostic assessment, lessons as part of a teaching sequence and managing dialogue • Two face to face days, one exploring and planning for an episodic lesson with a focus on variation, and one exploring and planning for a teaching through problem-solving lesson with a focus on reasoning. • In-school activities each week (diagnostic assessment, readings and teaching planned lessons) • Half day review and discussion of next steps 	<p>£35 per person for Devon maintained schools</p> <p>£175 per person for all other schools</p>
<p>NEW for 2022/3 Maths Matters Webinars</p>	<p>Half-day online webinars with internationally recognised speakers</p> <p>Subject leaders and classroom teachers</p>	<p>The move to more online working has allowed us to engage with mathematics education experts around the world. An example of this was the recent thought-provoking half-day webinar with Doug Clements and Julie Sarama. We plan to provide further half day webinars during the year with people who otherwise would not be accessible to the south west education community. Speakers have yet to be finalised; details will be shared with schools and appear in the shop as soon as they become available.</p>	<p>£10 subsidised rate for one place for Devon maintained schools</p> <p>£50 per person for all other schools and additional places</p>
<p>NEW for 2022/3 Learning from Lesson Study</p>	<p>Online webinar focussed on analysing a research lesson and exploring the context of Collaborative Lesson Research.</p>	<p>The Devon maths team works closely with the Collaborative Lesson Research UK charity, exploring the use of Japanese style lesson study as professional development. This webinar will provide an opportunity for teachers and leaders to explore a collaborative lesson research cycle, based on a video-recorded research lesson focussed on multiplicative reasoning and taught to a Y2 class in North Devon. The video, its accompanying lesson proposal, the mathematical task for the lesson, and children's solutions will be available online for viewing and examination before the webinar. As well as commentary from UK educators there will be opportunities for comments and questions from participants.</p>	<p>Free for all schools</p>

MATHS Professional Development Focussed on Teaching and Learning continued:

Content and Pedagogical Subject Knowledge

Title and shop links	Structure and participants	Details	Cost
Developing Early Number Sense Programme	Blended PD programme (one session face to face, one session online) which runs across two half days and is aimed at Reception/KS1 teachers and subject leaders	Number Sense includes developing an understanding of numbers and the number system; this understanding underpins calculation. The two half-days in this programme will focus on building an understanding of how our numbers work and fit together and includes exploring subitising, composition of numbers, place value, comparing and ordering numbers and applying this understanding in different contexts	£20 per person for Devon maintained schools £100 per person for all other schools
Supporting Children in Maths Lessons Programme: Professional Development for Teaching Assistants	Face to face PD programme which runs across four half-days and is aimed at teaching assistants who support mathematics learning both in the classroom and through intervention.	Teaching assistants are often asked to work, in maths lessons, with children who are struggling with the mathematics. This is most effective if the focus is on supporting the children to notice things, use what they know and make connections. This programme is designed to stimulate thinking about how to support and challenge children in the classroom and will include: <ul style="list-style-type: none"> • Engaging with the belief that all children can learn mathematics • A focus on understanding the connective model including how representation can be used to support understanding of structure • Exploring strategies for developing children’s mathematical talk • An examination of the five big ideas of teaching for mastery • In-school work with children between sessions 	£30 per person for Devon maintained schools £150 per person for all other schools
Pre-Teaching and Assigning Competence	Online PD programme which runs across four afternoons in consecutive weeks with in-school work between the sessions aimed at all classroom teachers	Five years ago we reported on our research project which explored supporting learners to be active and influential participants in mathematics lessons through the use of pre-teaching and assigning competence. Since then, pre-teaching has been referenced in national resources by NCETM but without any detail as to what is needed in order to make it effective and the relevance of assigning competence. This programme will explore the principles and essential components and participants will work collaboratively to design pre-teaching sessions which they will lead in-school between meetings.	£20 per person for Devon maintained schools £100 per person for all other schools

MATHS Professional Development Focussed on Learners: Keep Up/Close the Gap

Title and shop links	Structure and participants	Details	Cost
Diagnostic Assessment in Mathematics	<p>Online PD programme which runs across two long morning sessions with in-school work between the sessions aimed at pairs attending together (teacher and teaching assistant or two teachers)</p>	<p>Diagnostic assessment has a key role to play in enabling teachers to support learning. It provides teachers with a nuanced understanding of children's learning so that they can plan their teaching to match the needs of the class or their additional interventions to match the needs of smaller groups or individuals. Accurately assessing learning also underpins all activity to help the recovery process. This programme will explore and support the use of diagnostic assessment in mathematics.</p>	<p>£25 per pair for Devon maintained schools</p> <p>£125 per pair for all other schools</p>
Maths Intervention Programme: Spot on with Number	<p>Blended PD programme (online and face to face) which runs across one half day online and two full days face to face with an optional online follow up session. The PD is aimed at teaching assistants and teachers who will run the intervention programme or who want to further understand issues in learning about early number.</p>	<p>The Spot On With Numbers Intervention Programme is a programme designed to:</p> <ul style="list-style-type: none"> • Raise the attainment of children in KS1 who have moderate difficulties in mathematics by accelerating their progress to catch up with their peers. • Raise the attainment of older pupils who have specific difficulties in mathematics including dyscalculia. • Create positive attitudes to mathematics and achieve the confidence and mathematical understanding needed to continue to learn successfully after the intervention. <p>The Intervention Programme comprises up to 36 sessions of approximately 45 minutes each. It is designed to be delivered up to three times a week, either one-to-one or in small groups of up to four children.</p> <p>The sessions are organised into six topics that focus on key aspects of number, drawing on research into the mathematics that causes the most difficulties for pupils:</p> <ol style="list-style-type: none"> 1. Numbers 0 - 5 2. Numbers 6 - 10 3. Exploring 10 4. Place Value to 20 5. Additive Reasoning 6. Multiplicative Reasoning. 	<p>All participants will need to purchase the intervention pack of materials at a cost of £175</p> <p>Cost for the accompanying PD programme</p> <p>£30 per person for Devon maintained schools</p> <p>£150 per person for all other schools</p>

English Subject Leaders: Support and Professional Development

Title and link	Structure and participants	Details	Cost
English subject leader consultation session	Online 45min consultation aimed at existing subject leaders	Subject leaders meet with an English Adviser to discuss issues relevant to the school. These will be available to book each term.	Free to Devon maintained schools £45 for all other schools
Primary English Subject Leader Meetings	Termly half-day meetings	Subject leaders will have access to national and local updates, cutting edge thinking and research, and guidance on managing their subject leadership role.	£75 per person per meeting Packages available: £181 termly meetings for maths across the year £323 termly meetings for maths plus English across the year
Phonics and Early Reading Review	3 hr visit face to face	To support schools with meeting the core requirements around Early Reading and phonics, the English team are offering a 3hr review to be conducted alongside the English lead/Reading lead in the school. This will support schools to be confident about their provision and identify key areas for future development.	£55 for Devon maintained schools £276 for all other schools
English Subject Leadership Programme	Online programme which runs across four afternoons and is aimed at subject leaders, whatever their experience.	The role of the English subject leader involves responsibility for developing the quality of teaching and learning, ensuring pupils' progress and attainment is monitored, managing resources, and having direct leadership responsibility for a number of staff members to ensure that together they are able to secure the best outcomes for children in English. Each of the four afternoon sessions is designed to stimulate leadership thinking and develop leadership capacity to support and challenge, in order to secure school improvement in English and develop personal career potential. Out of the many areas to be covered in a full English action plan, attendees are asked to identify one priority area to track and focus discussion throughout the course - an issue concerning a group of pupils whose progress is likely to have a significant impact on school outcomes. Teachers are expected to engage in 'gap' tasks between sessions to support this including, where possible, working with a learning partner from another school.	£30 per person for Devon maintained schools £150 per person for all other schools Additional in-school support as part of the programme offered on a traded basis £276 for half a day

**English Professional Development Focussed on Teaching and Learning:
Content and Pedagogical Subject Knowledge**

Title and links	Structure and participants	Details	Cost
Using Teaching Sequences Effectively to Teach Writing	Online training for subject leaders or teachers	This professional development provides an opportunity for those new to teaching sequences for writing to explore the key aspects of effective teaching. It will also be appropriate for teachers or subject leaders who need to refresh their understanding and ensure they are making best use of the sequences. The training will focus on the Babcock LDP English team's sequences for writing, There will be two parts to the training with an expectation that teachers will teach a sequence between the two sessions.	£20 per person for Devon Maintained schools £100 per person for all other schools
Phonics and Early Reading in Foundation Stage and Year 1	1 day professional development offered face to face	This one-day course focuses on the subject knowledge and pedagogy of systematic, synthetic phonics and early reading. The course is based on previous courses but has been significantly updated to take account of recent DfE guidance.	£25 per person for Devon maintained schools £125 per person for all other schools
NEW for 2022/3 Teaching Vocabulary	1 day professional development (online)	This is a new course which draws on the success of the Devon Developing Vocabulary Project. The training will explore the key components for successful vocabulary teaching. This training is ideal for staff new to the school who have not experienced previous professional development or for staff in schools where developing vocabulary is a recent or current focus.	£25 per person for Devon maintained schools £125 per person for all other schools
Teaching Spelling Effectively	Online training for teachers or subject leaders	This course consists of two online modules: one self-study module and a live module. This course was updated in 2020. The course will: <ul style="list-style-type: none"> • Provide a pathway for teaching the new National Curriculum for spelling • Provide a conceptual framework for the teaching, application and assessment of spelling • Consider the teaching and application of effective spelling strategies • Explore effective spelling teaching activities 	£15 per person for Devon maintained schools £75 per person for all other schools

**English Professional Development Focussed on Teaching and Learning continued:
Content and Pedagogical Subject Knowledge**

Title and links	Structure and participants	Details	Cost
Securing Sentences: Improving Writing and Grammatical Understanding	Online training for teachers or subject leaders	<p>This is a new professional development opportunity. The intention is to support teachers with effective strategies to assess and improve children’s grammatical understanding as well as application of skills in writing. The training will link closely with No Nonsense Grammar, but the publication is not essential.</p> <p>The course will:</p> <ul style="list-style-type: none"> • Introduce high value assessment activities • Reinforce core grammatical subject knowledge • Support analysis of outcomes from assessment • Consider adaptation to planning to meet the identified needs of children <p>There will be two sessions with an expectation of teachers completing activities with children between the sessions.</p>	<p>£20 per person for Devon maintained schools</p> <p>£100 per person for all other schools</p>
Reading Fluency Project	Training and support to implement an eight week intervention in Reading based on Herts for Learning’s Reading Fluency model	<p>Based on the work of HfL and our own experience we are offering further opportunities to participate in this evidence-based, teacher led, eight week group intervention. Impact is achieved in both fluency and comprehension. Evidence from previous projects has shown consistently impressive outcomes (in Y6 average improvement of 12 months+). The training will be delivered by HfL experts alongside the Babcock English team. In addition to equipping teachers to deliver a structured intervention, teachers will also be able to explore wider uses of the strategies learnt.</p> <p>The training for each programme will be run online and the programme consists of:</p> <ul style="list-style-type: none"> • Introduction sessions and YARC assessment training (2 sessions) • Full day training from HfL for 2 members of staff (one self-study module and two delivered live) • 3 hr ‘visit’ from English team adviser to support teaching • Mid-point and final review sessions (2 sessions) • YARC assessment materials: (marking and analysis completed by Babcock English team for each school). <p>Each project has a limit of 20 schools</p>	<p>£175 per school for Devon maintained schools</p> <p>£650 per school for all other schools</p>