

Wednesday 5th June

7.45am—4.30pm

(Registration is 7.45am—8.40am)

**Grand Hotel Gosforth Park,
NE3 5HN**



BOOK NOW https://gnmh_conf2019.eventbrite.co.uk

Various workshops take place across the day, which must be chosen at the time of booking.

Before booking please ensure you have reviewed the workshops on offer and selected one for each timeslot.

- Ensure you have considered these options in advance.
- Changes to workshops may not be possible at a later date.
- The Eventbrite booking page will timeout after 18 minutes
- In the unlikely event that we can not fulfil your workshop choice, an alternative will be allocated relevant to your key stage.

Workshop Schedule - You must select one from each workshop slot. See key below for workshop titles, or overleaf for full details

TIMESLOT 1	B	C	G	H	I	L
TIMESLOT 2	C	D	F	I	J	K
TIMESLOT 3	A	D	E	F	J	K
TIMESLOT 4	A	B	E	G	H	L

Key	Workshop Title	EY	KS1	KS2
A	Defining Your Curriculum Intent	•	•	•
B	Developing a Growth Mindset	•	•	•
C	Developing an Understanding of PD Materials	•	•	•
D	Embedding Key Concepts in Early Maths	•	•	•
E	Escape Rooms		•	•
F	Exploring Maths Outdoors	•	•	•
G	Introduction to Variation		•	•
H	Look Who's Talking Now	•		
I	Manipulatives in KS2			•
J	Take a Look Around	•		
K	The 'Truth' About Reasoning		•	•
L	Where's the Maths in That?	•		



Primary Teacher Conference

A: DEFINING YOUR CURRICULUM

EY-KS2

Presenter: Laura Tullock (WS 3 & WS 4)

Does your school have a clearly defined vision for your maths curriculum? Does this vision shine through in all aspects of the maths curriculum?

In this workshop we will look at creating a vision for your school, starting with the 'why'. Using advice from Ofsted and local schools, we will explore ideas for ensuring all stakeholders are aware of your vision and intent.

B: DEVELOPING A GROWTH MINDSET

EY—KS2

Presenter: Lisa Heatherington (WS 1 & WS 4)

Growth mindset refers to a learning theory developed by Dr Carol Dweck. It revolves around the belief that you can improve intelligence, ability and performance. The opposite, fixed mindset, refers to the belief that a person's talents are set in stone. Years of research have shown that mindset is malleable. By helping students to develop a growth mindset, we can help them to learning more effective and efficient. This workshop will explore ways in which educators can convey a growth mindset to students.

C: DEVELOPING AN UNDERSTANDING OF PROFESSIONAL DEVELOPMENT MATERIALS

EY-KS2

Presenter: Sam Endacott & Debbie Rucroft (WS 1 & WS 2)

The NCETM has published a set of Professional Development materials which aim to develop practitioners subject knowledge, aid planning of maths lessons and help pupils grasp concepts with confidence.

This practical workshop will look at the spine materials that are available, explore how they can be used in practice and explain how they fit in with the '5 big ideas of mastery.'

D: EMBEDDING KEY CONCEPTS IN EARLY YEARS MATHEMATICS

EY-KS1

Presenter: Lindsey Hassan (WS 2 & WS 3)

In order for children to be able to meet the requirements of the EYFS Framework and the KS1 Curriculum, there are key concepts which must be understood.

This workshop explores ideas of counting, composition, categorising, change and comparison. Participants will explore how Cuisenaire rods can be used effectively in EYFS and KS1 to develop an intuitive understanding of number and number sense.

E: ESCAPE ROOMS

KS1-KS2

Presenter: Helen Chambers & Richard Brown (WS 3 & WS 4)

From game shows like Crystal Maze and The Cube, to the recently popular concept of Escape Rooms; Team challenges with a shared focal point have always been an engaging way to solve problems, encouraging reasoning skills & investigative resilience. In this workshop you will work in teams to solve intriguing mathematical problems to secure your release from the escape room! We will equip you with resources & pedagogical approaches to enable you to run your own escape room type challenge in your class or school.

F: EXPLORING MATHS OUTDOORS

EY-KS 2

Presenter: Rebecca Simpson (WS 2 and WS 3)

This workshop will look at the benefits of outdoor play, and the advantages of using the outdoor environment to support and enhance learning in maths across a range of topics and all year groups, including linking outdoor problems to year 2 and year 6 SATs questions.

This is within the context of children's learning, motivation and engagement and how it links to the new Ofsted criteria. There will be practical suggestions and a chance to share ideas with colleagues.

Workshop Options

G: INTRODUCTION TO VARIATION

KS1-KS2

Presenter: Jo Morrison (WS 1 & WS 4)

Why is variation one of the Big Ideas of Mastery? What impact can it have upon learning? How might variation be used when designing activities and sequences?

In this workshop, we will explore these questions by beginning to consider what variation is and analysing some examples, considering their intent and how this Big Idea could be used in lesson design and in classroom practice.

H: LOOK WHO'S TALKING NOW; THE LANGUAGE OF MATHS

EY

Presenter: Clare Swanepoel (WS 1 & WS 4)

This workshop will focus on the use of language in Early Years Maths. What specific vocabulary do we use? How do we develop talk in maths lessons? What kind of talk do we need to encourage?

We will explore the idea of a "chatterbox" and how this can be used to support learning through a variety of resources to prompt language and reasoning.

Using the number focus of comparison we will examine how to use resources to support the concept.

I: MANIPULATIVES IN KEY STAGE 2

KS2

Presenter: Tony Irvine (WS 1 & WS 2)

This workshop will support teachers in using concrete materials to develop conceptual understanding in KS2.

The specifically designed mathematical apparatus will be explored, and ideas modelled, giving you tools to allow for deeper thinking and working beyond the answer.

J: TAKE A LOOK AROUND; PROMOTING NUMBER SENSE IN THE EARLY YEARS ENVIRONMENT

EY

Presenter: Amanda Ball (WS 2 & WS 3)

Early Years, with a focus on cardinality and other early counting principles. We will identify strategies to support and encourage a solid understanding of number sense within the classroom through daily routines, and identify developmentally appropriate hands-on experience to support mathematical concepts.

Effective use of manipulatives to bridge the gap between the concrete and the abstract will be explored.

K: THE 'TRUTH' ABOUT REASONING

KS1-KS2

Presenter: John Bee (WS 2 & WS 3)

Truth & reasoning are antonyms of each other. To accept mathematical 'truths' as fixed, limits children's ability to be critical and can stop them questioning the authority of numbers. Reasoning allows for answering such questions through logical and critical thinking; Permitting for analysis, generalisations, argument, hypothesis and representations to bring the creativity and beauty of maths alive. This session is designed to draw out reasoning skills and how we might explicitly teach children to reason, by interconnecting concepts and ideas.

L: WHERE'S THE MATHS IN THAT? USING STORIES IN EARLY YEARS MATHS

EY

Presenter: Sarah Hollywood (WS 1 and WS 4)

This workshop will focus on the use of stories in Early Years Maths, looking at a typical progression in the teaching of pattern. "Children who expect mathematics to 'make sense' look for patterns. Children need many opportunities to discover and talk about patterns in mathematics" Erikson Institute 2014. We will explore how stories can be used to support the key area of Pattern, identifying books, rhymes and resources that can support this area of teaching, including growing and repeating patterns.