

Cambridge Maths Hub Newsletter June 2019

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About the Hub: Strategic Board

The Cambridge Maths Hub has a Strategic Board, made up of key local leaders who are able to offer advice and guidance. They are not involved in day-to-day operations but act as critical friends questioning what we do and offering advice and support.



We are extremely fortunate to have a far-sighted and innovative Chair of Strategic Board in the form of Lynne McClure.

Lynne is currently the Director of [Cambridge Mathematics](#), has been a primary school head teacher, a course leader for teacher education courses, has advised governments, was the driving force behind [Underground Mathematics](#) and was Director of [NRICH](#).

The rest of the Strategic Board bring a wide range of experience and represent a number of high profile local organisations all of which work closely with the Cambridge Maths Hub.

They are an important part of the governance of the Hub and we are grateful to them for carrying out that role.



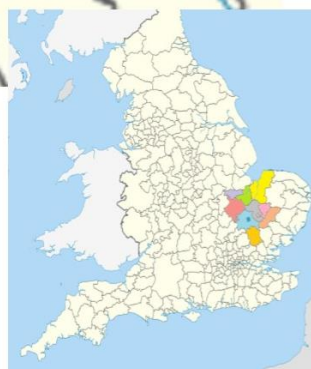
Name	Organisation
Nick Beech	Peterborough Children's Services
Lesley Birch	CEO and Executive Principal, Cambridge Primary Education Trust
Chris Dale	Senior Regional Lead, NCETM
Andrew Daly	Executive Principal, CMAT
Jamie Freeman	Head of mathematics, Comberton Village College
Jane Horn	Head, Cromwell Community College
Simon Krintas	Governor, Cambourne Village College
Ems Lord	Director, NRICH
Lynne McClure	Director, Cambridge Mathematics
Stephen Munday	Chief Executive, CAM Academy Trust
Cordelia Myers	Maths Hub Lead
Ruchi Sabharwal	Assistant Headteacher, The Weatheralls Primary School
Sharon Tripconey	AMSP National Coordinator

Our new region

We will soon be welcoming three new Hubs to the national Maths Hub family, and as a result there have been some changes to the existing Hub regions. The Cambridge Maths Hub region has grown. Our area includes all of our previous area but now stretches further south, further north and further east. We now run from Braintree to Hunstanton and from Peterborough to Bury St Edmunds.



Cambridge Maths Hub Regions



Work groups for 2019-20

These are the work groups that have been confirmed for the next academic year. Booking for the majority of the work groups will begin in the Autumn term.

Early Years Work Group	To develop an understanding of effective EY maths pedagogy and to understand the principles of TfM
Early Years/Primary/Teaching Assistants: SKTM Programme	To develop the use of Subject Knowledge for Teaching Maths programmes for teachers of Early Years, Primary and TAs
There are a range of Primary Teaching for Mastery Work Groups, for teachers and schools at different stages of implementing TfM. These include: Mastery Readiness (for schools that have not yet accessed TfM programmes), TfM Development, Embedding TfM, TfM in mixed-age classes, Lesson Design, Intervention and a TfM refresher group.	
Primary: Calculate, Don't Count!	To develop the teaching of calculation and procedural variation and to develop mastery practice.
SEND (for mainstream and special schools)	To improve SEND provision in maths
Y5-Y8 Continuity	To improve communication between KS2 and KS3 by taking an aspect of the maths curriculum or a pedagogical approach as focus for the work
Secondary Teaching for Mastery Work Groups include TfM Development and Embedding TfM.	
Mathematical Thinking for GCSE	Addresses reasoning and problem-solving challenges of the maths curriculum at GCSE.
Supporting Core Maths	To understand the philosophy of Core Maths and appreciate the different Core Maths qualifications available
Developing Pedagogy in A level Maths Teaching	To develop pedagogy in A level Maths teaching and development of participants as leaders of A level teaching in their own school

Other opportunities

We are currently recruiting for a Primary Teaching for Mastery Lead. This is a seconded part-time role. The deadline for applications is 24 June.

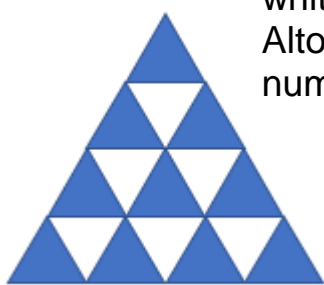
The Primary Mastery Readiness work group and the Primary Teaching for Mastery Work Groups are also currently recruiting. For information about all of these opportunities please see our website.

The website

The Cambridge Maths Hub website (<http://cambridgemathshub.org>) is updated regularly. It also includes a blog, which has new posts roughly twice a month.

Recent posts include information about using a visualiser, a discussion document about marking work, the ways teachers do mathematics, the judgement-calls we make each lesson as teachers, and how to use Desmos to transform graphs.

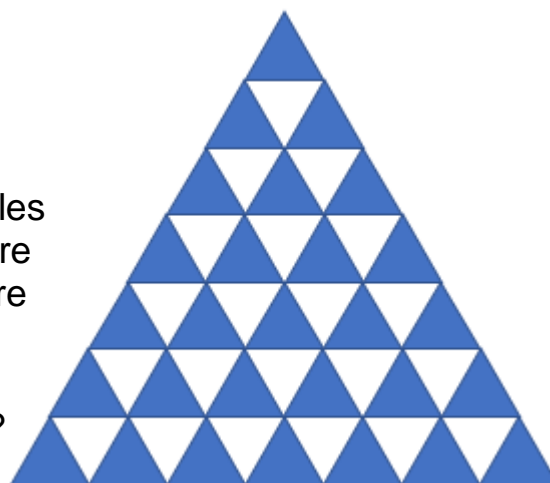
Activity



In the first diagram there are 10 blue triangles and 6 white triangles. 10 and 6 are both triangular numbers. Altogether that makes 16 triangles. 16 is a square number.

In this diagram, how many blue triangles are there, how many white triangles are there and how many triangles are there altogether?

- What do you notice?
- Can you make any conjectures?
- Can you prove them?





Cambridgeshire Maths Conference

Huntingdon Marriott Hotel
Friday 7th June 2019



priced from
£120

Workshops

Ems Lord (Director, NRICH)
Ed Southall ('Yes, But Why?', 'Geometry Snacks')
Lucy Rycroft-Smith (Cambridge Mathematics)
Rebecca Lloyd-Lewis (Every Child Counts)
Serge Tasic (N2MP)

Speakers

Professor Mike Askew (OUP)
Gareth Metcalfe (I See Maths)
Craig Barton ('How I Wish I'd Taught Maths',
DiagnosticQuestions.com)



Comments from our last conference in 2017

"Excellent ideas for ensuring depth of understanding"
"Lots of ideas to take back to school"
"Practical. Engaging. Inspiring!"
"I can't wait for the next one"

Book a place

£120 for Cambridge Maths Hub Members & Mastery Specialists
£130 for all Cambridgeshire & Peterborough schools
£150 for independent and out-of-county schools



Prices include lunch and refreshments throughout the day.
To book a place contact: maths.team@cambridgeshire.gov.uk



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