



# Maths: everyone can

A conference for primary and secondary schools from the White Rose Maths Hub to stretch, challenge and inspire teachers about how everyone has the potential to succeed.

## Key benefits:

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### GROWTH MINDSETS

Hear from internationally renowned experts about the power of growth mindsets and how you can ensure teachers teach better and students learn better

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### MATHS INSPIRATION

Meet primary and secondary schools excelling in the teaching of mathematics and discover how you can raise achievement

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### BELIEF

All sessions focus on helping your school to see how you can embed positive attitudes to maths and see your students excel through a culture of aspiration, determination and resilience

**6 July 2016**

**Leeds United Stadium**

We are subsidising this conference to help our schools access this special day for just £85!

**We are proud to have secured an exceptional line-up of world-renowned experts including:**



Dan Haesler



Dr Barry Hymer



Professor Marcus du Sautoy

# Maths: everyone can

The White Rose Maths Hub is delighted to bring you this one day inspirational event designed to help you develop a culture in your school where everyone believes that they can achieve in maths.

We want to change attitudes towards maths, and help teachers and students to understand that we are all born able to

succeed in maths. We are delighted to bring you this special one day event with some world-renowned speakers who will share how through looking at things differently can transform what you do.

As a hub, we are contributing to the cost of this event to ensure that it is accessible for as many schools as possible. This is your

opportunity to hear from an exceptional range of speakers all in one place, and all in one day – and take away ideas to change thinking and practice in your school.

Content is suitable for both primary and secondary schools.



## Your speakers

**We have a powerful and inspiring line-up including:**

### Dr Barry Hymer

Dr Barry Hymer is Professor of Psychology in Education at the University of Cumbria in Lancaster. Barry has been interpreting and researching learning theory as it relates to classroom practice since he became a professional educator in 1983. He has particular interests and expertise in the related areas of motivation, mindset, talent development and independent learning. Barry has toured with Professor Carol Dweck, speaking at packed conferences in England and abroad. His most recent books are the Growth Mindset Pocketbook (Hymer & Gershon, 2014) which has sold nearly 30,000 copies to date, and Learning Teaching: Becoming an inspirational teacher (with Pete Boyd & Karen Lockney, 2015) – described by Professor John Hattie as “The perfect book for those who want to make the most of their opportunity to enhance students’ brain power.”

### Dan Haesler

Dan Haesler works with organisations around issues of engagement, wellbeing, mindset and leadership.

As well as schools, he has consulted to government education projects, corporate business, The Black Dog Institute and other not-for-profit organisations.

Dan is an international keynote speaker and regularly presents alongside the likes of Sir Ken Robinson, Sugata Mitra and His Holiness the Dalai Lama. He regularly features in the media, and writes a monthly column in the Australian Teacher Magazine. Dan is passionate about equity in education and engaging our hardest-to-reach kids and communities and will be flying in from his home in Australia to speak to delegates!

### Professor Marcus du Sautoy

Marcus du Sautoy is the Charles Simonyi Professor for the Public Understanding of Science and Professor of Mathematics at the University of Oxford and a Fellow of New College. In 2004 Esquire Magazine chose him as one of the 100 most influential people under 40 in Britain and in 2009 he was awarded the Royal Society’s Faraday Prize, the UK’s premier award for excellence in communicating science. He received an OBE for services to science in the 2010 New Year’s Honours List. His latest book is ‘What We Cannot Know’ and he also regularly appears in the media.

### Will Ryan

Will Ryan’s book ‘Inspirational Teachers Inspirational Leaders’ is a book of hope for the curriculum and creativity in the twenty first century. He believes that for too long, education has worked on an ‘outside in’ model – where outside forces such as the Government have provided ‘one size fits all’ school improvement strategies. He believes that our best schools turn themselves ‘inside out’ to get the best and most impacting results from their teaching staff and students. Will is passionate about teaching maths with a difference, and supporting excellent leadership of this important topic.

For further information about our speakers, including the schools that will be featured, visit [www.whiterosemathshub.co.uk](http://www.whiterosemathshub.co.uk)

## Why attend?

- **Top class speakers that will inspire growth in your classroom.**

Hear from leading experts about how you can change attitudes in your students and teachers and unlock potential to raise aspiration and achievement in maths.

- **Inspiring workshops.** Our renowned experts will also be running hands-on workshops to allow you to take practical steps that will help your teachers and students to think differently when it comes to maths.

- **Real schools with real solutions.**

You will be able to meet schools with exceptional practice in maths to hear how they succeeded and explore systems that could work for your school.

# The programme

<b>BreakMATHS: fun and active start to the day</b> Beat the traffic and join us for some inspiring FREE maths based training and breakfast (optional)		<b>8.00am</b>	
<b>Delegate registration and refreshments</b>		<b>8.30am</b>	
<b>Welcome from the White Rose Maths Hub</b>		<b>8.45am</b>	
	<b>Teaching students to stretch: Dan Haesler</b> Too many students believe they don't need to learn, or that they can't learn. Professor Carol Dweck contends that this is due to students developing a 'fixed mindset' with regard to their capabilities. Dweck argues that a growth mindset is key - a disposition that embraces challenge, seeks out feedback and values effort as the pathway to mastery. In this special keynote, Dan will share how teachers and schools can cultivate a culture of growth in their classrooms.	<b>9.00am</b>	
<b>Morning break</b>		<b>10.00am</b>	
	<b>Unfixing maths mindsets: Dr Barry Hymer</b> This keynote will explore the role of mindsets in maintaining student and teacher beliefs around maths competency, and show how developing a growth mindset can transform someone's views about maths, and their experience of the processes involved in maths mastery.	<b>10.15am</b>	
<b>Midday workshops   Choose one (*All suitable for both primary and secondary delegates)</b>		<b>11.15am</b>	
<b>1A Creating a culture of growth in your community: Dan Haesler</b>  Building on the morning keynote, this hands-on workshop will share practical strategies that will help you enhance growth mindset thinking in students, staff and your wider community.	<b>1B The quiet power of feedback: Dr Barry Hymer</b>  In this workshop, Barry will invite participants to reflect on the contrasting effects of praise and feedback on pupil performance, and show how the latter but not the former can have a significant positive impact on a student's experience of maths and other challenges.	<b>1C Successful teaching starts with a story: Will Ryan</b>  A practical workshop with renowned author Will Ryan about how a good story can embed learning in your students. If you want to look at new ways to teach maths, this workshop is for you!	<b>1D Maths showcase: inspiration from our schools</b>  We are delighted to be showcasing a wide range of primary and secondary schools who do something special with their maths teaching. This intense session will see you meeting a range of our schools to hear more.
<b>Lunch break</b>		<b>12.15pm</b>	
	<b>Keynote: Professor du Sautoy</b> A spell-binding after lunch session with Professor Marcus du Sautoy, Professor of Mathematics at the University of Oxford. Renowned for popularising mathematics and helping non-specialists see how it drives every aspect of our daily lives, this special session will inspire you about the power and beauty of maths.	<b>12.45pm</b>	
<b>Workshops   Choose one (*All suitable for both primary and secondary delegates)</b>		<b>1.45pm</b>	
<b>2A Creating a culture of growth in your community: Dan Haesler (repeat of 1A)</b>	<b>2B The quiet power of feedback: Dr Barry Hymer (repeat of 1B)</b>	<b>2C Successful teaching starts with a story: Will Ryan (repeat of 1C)</b>	<b>2D Maths showcase: inspiration from our schools (repeat of 1D)</b>
<b>Afternoon break</b>		<b>2.45pm</b>	
	<b>Closing keynote: Dramatic mathematics with Will Ryan</b> Storytelling is recognised as a key learning tool – but how can you apply the power it offers during maths? Come and be inspired with our very own tale of how numbers and words definitely can mix – particularly well when you spice it up with a small amount of drama!	<b>3.00pm</b>	
<b>Conference closes and thanks</b>		<b>3.45pm</b>	

\*We will endeavour to allocate your preferred or your reserve workshops. Please note that places will be allocated on a first come, first served basis.

Pricing:  
**Early bird rate £85**  
**(for bookings before 20 June 2016)**  
**Standard rate £125**  
**(for bookings after 21 June)**

We are pleased to offer 25% off bookings for second and subsequent delegates. For prices for places above five delegates, please contact us.

One day national conference 6 July 2016  
 Leeds United Stadium  
 (Centenary Pavilion, LS11 0ES)

## Book now:

1. For instant online booking, please visit  
[www.whiterosemathshub.co.uk](http://www.whiterosemathshub.co.uk)

2. Telephone **01422 244890**

3. To be sent an electronic word document to return via email:  
[mathshub@trinityacademyhalifax.org](mailto:mathshub@trinityacademyhalifax.org)

4. Alternatively, please complete the form below:  
 Maths everyone can, White Rose Maths Hub, C/O Trinity Academy, Shay Lane Halifax HX2 9TZ.

Title:  Forename:  Surname:

Job title:  Email:

Will you be attending the BreakMATHS session: Yes  No

Option block 1: First choice:  Reserve choice:

Option block 2: First choice:  Reserve choice:

Pricing: Early bird rate  Standard rate

Dietary requirements:

### Second delegate (if applicable)

Title:  Forename:  Surname:

Job title:  Email:

Will you be attending the BreakMATHS session: Yes  No

Option block 1: First choice:  Reserve choice:

Option block 2: First choice:  Reserve choice:

Dietary requirements:

### How did you hear about this event?

<b>Invoicing details</b>	Address:
Organisation:	
Phone:	Postcode:
PO/ requisition number (if required)	Finance department email:

Office use only

Booking received:

Confirmation email sent: