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Explosive opportunity– **Special Presentation**

We are really fortunate to have Dr James Tanton visiting again from the USA. His visit to SA (he is an SA boy!) is very brief but he has agreed to present a session for teachers on Thursday March 8th, 4.15 to 6pm at St Peters College Junior School, Hackney.

James Tanton (PhD, Princeton 1994, mathematics) is an education consultant and an ambassador for the Mathematical Association of America in Washington D.C., currently serving as their Mathematician-at-Large. He has taught mathematics both at university and high school institutions. Tanton is absolutely committed to sharing joyful and beautiful mathematical thinking and doing with all. He writes books and articles, he advises on curriculum, he consults with teachers and gives demonstration classes across the globe, he designs and teachers graduate education courses, he gives public outreach lectures, and he works with students of all ages and backgrounds to experience the wonder of mathematics. See his sites at jamestanton.com and gdaymath.com and the https://www.theglobalmathproject.org/ site for more.

The Power of Symmetry in Mathematics

Consider this: You are told a rectangle has area 36 square units. What can you say about the rectangle? Very little. Maybe it is a 2-by-18 rectangle, 4-by-9 rectangle, or a 4½-by-8 rectangle. You simply do not know. But if I now add that the rectangle is symmetrical, that is, that it is a square, then you know absolutely everything about that rectangle: it is a 6-by-6 square!

Symmetry plays an important and powerful role in the doing of mathematics, well beyond thinking about geometry. Let's have some fun exploring the power of symmetry in unexpected ways both within and beyond the standard upper school curriculum. Let's see how to help teach the art of confident thinking and flexible problem-solving.

Presenter: Dr James Tanton

Dates: Thursday 8th March – 4.15pm to 6.00pm

Venue: St Peters College, Junior School, Hackney

Cost: Afternoon tea will be provided. Cost $10 per head, but numbers might "explode" so get in early!!!

Name: _____

Institution: _____

Phone Number: _____ **Fax:** _____

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