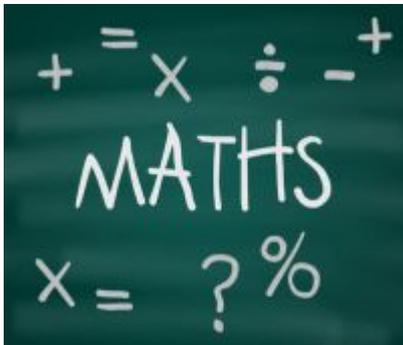


SMSC Newsletter

Hot on the heels of our last newsletter (mainly due to the Easter Holidays) our latest endeavour is looking into SMSC in Mathematics. I was dreading this myself and I'm sure this is a sore point with many so I tried a bit of lateral thinking (ouch) and looked at SMSC in Maths occurring in other subjects and threw in a few other ideas for good measure. As before, all these ideas are on the Newsletter Grid - Choose Filter View and then in the Subject box choose Mathematics and Apply Filter. Save to PDF to view the report.



A couple of weeks ago we attended the Celebrating Diversity and Promoting Equality in Schools Conference in London. It was an interesting day and a great opportunity to meet some of our customers and talk to others interested in Gridmaker and iAbacus.

Until the conference I was unaware that the Houses of Parliament provide free resources for schools, via post and also through their outreach programme for both Primary and Secondary. <http://www.parliament.uk/education>



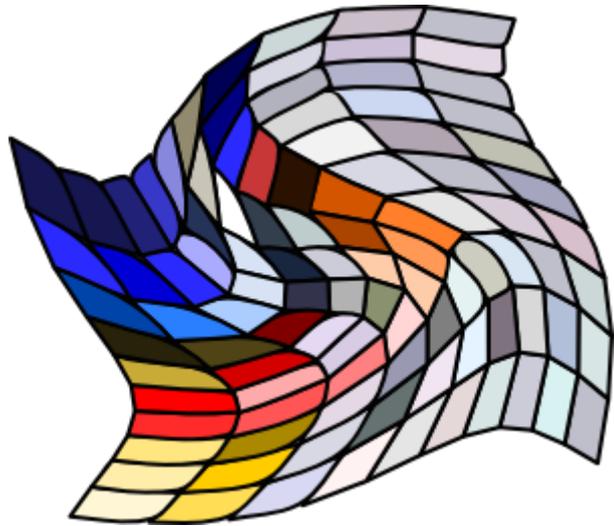
I also met Rachel Musson, the power behind ThoughtBox which offers a full SMSC curriculum with online learning resources, providing bespoke monthly lesson plans for Years 7- 13 to encourage critical thinking, empathy and 'unlearning'. Beyond the curriculum are opportunities to engage in cross-cultural learning and global citizenship through interactive challenges.

Maths in Art

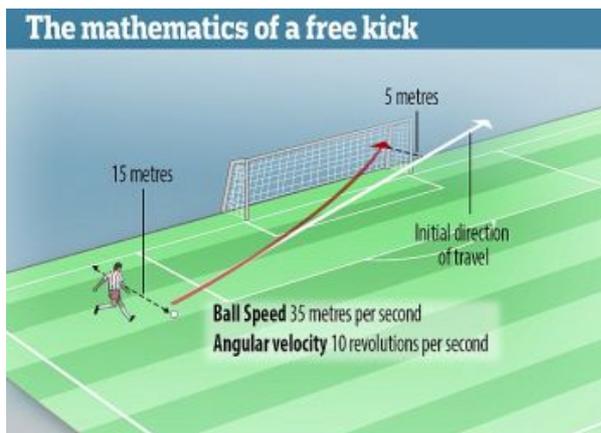
Geometry - This one is probably so obvious http://www.artyfactory.com/perspective_drawing/perspective_11.html

Carla Farsi is a mathematician and an artist and explains the relationship between art and mathematics in this article

<https://plus.maths.org/content/artmathx>



Maths in Sport



An example of Geometry in Football - it's a beautiful game

<http://outsideoftheboot.com/2016/11/23/geometry-in-football-understanding-the-triangle/>

Algebra plays a big part in sports calculating velocity, statistics and players rankings

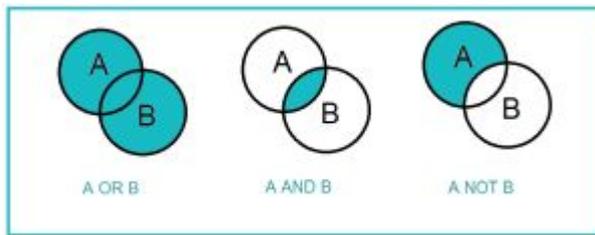
<http://jwilson.coe.uga.edu/EMAT6680/Huffman/Mathematics%20in%20Sports/MathematicsSports.html>

Maths in History

In the New 7 Wonders of the World list, the Taj Mahal is right there and it's easy to see why - it's a wonderful example of symmetry and is full of geometric patterns

<http://mathtourist.blogspot.co.uk/2010/09/tilings-at-taj-mahal.html>





I never studied ICT in school (before my time) however although I'd heard of a Boolean search, I was amazed to discover where it originated and how long ago

<http://georgeboole.com/boole/legacy/mathematics/>

Maths in Geography

A great page detailing geographic and geometric relationships along a line of ancient sites around the World

http://www.bibliotecapleyades.net/sp_geographic_geometry.htm



This is an American Blog, however the idea could be adapted for the UK

<http://mathequalslove.blogspot.co.uk/2013/06/math-meets-geography-road-trip-project.html>

Other Ideas

So that's how the pyramids are so perfectly built.

<http://www.storyofmathematics.com/egyptian.html>



By far my favourite find

<http://www.teachingideas.co.uk/maths/ways-to-use-lego-in-the-classroom>

Williams Reynolds Primary School and Nursery have a wonderful summary of SMSC in maths, split down into Spiritual, Moral, Social and Cultural sections and

for an example of Secondary, take a look at The Long Eaton School who list some of their activities

Finally

Although this is an old article, it's very relevant

<https://www.theguardian.com/teacher-network/teacher-blog/2012/nov/15/mathematics-crosscurricular-appeal>

Did you know

We have a team of dedicated support advisors who are here to help you, whether it's to ask a question on SMSC in general or provide advice on how to make the most of our products? They can also arrange over the phone product training or demonstration. To contact email support@opus.org or call 0115 9428913. You do not have to be a customer to use this service

Gridmaker

Cinematic Biography's of Famous Mathematicians - SMSC and so much more

Hidden Figures

The Story of the African-American Women Who Helped Win the Space Race is a 2016 non-fiction book written by Margot Lee Shetterly

These African American women were at the top of their field at a time of segregation in America and this makes for an excellent topic of debate during Black History Month or in PSHE

<http://www.popularmechanics.com/space/rockets/a24429/hidden-figures-real-story-nasa-women-computers/>

The Imitation Game

Alan Turing: The Enigma: The Book That Inspired the Film The Imitation Game

This account of the life of Alan Turing, the man who cracked the enigma code and helped Britain win World War Two is a perfect example of the struggle of being different in an age where only marriage between men and women was acceptable

<http://www.bbc.co.uk/timelines/z8bgr82>



A Beautiful Mind

The Theory of Everything

A Beautiful Mind is Sylvia Nasar's award-winning biography about the mystery of the human mind, the triumph over incredible adversity, and the healing power of love.

John Forbes Nash, a brilliant mathematician who had severe mental problems and overcame them.

http://www.nobelprize.org/nobel_prizes/economic-sciences/laureates/1994/nash-bio.html

Book: The Theory of Everything by Jane Hawking

Stephen Hawking, probably our most famous living mathematician who at the age of 21 developed ALS and has not only defied a debilitating disease and baffled doctors around the World but is still a leading mind in his field of Mathematics and Astro Physics

<http://www.hawking.org.uk/>

In the News

Sky News have launched Ocean Rescue to try and reduce the amount of plastic that ends up in our oceans - plenty of statistics to work on and a great project.

<https://skyoceanrescue.com/>

Space Tourists! Dollars to Pounds, Fuel Consumption, miles travelled and a conversation on morals

<http://www.telegraph.co.uk/science/2017/02/27/spacex-send-two-paying-tourists-around-moon-deep-space-next/>

We love it when a plan comes together

However your school gathers it's evidence of SMSC provision, it's always best to have a plan to fill the gaps. We are in our 9th year of providing a simple way to gather that evidence using Gridmaker, however, we are now also able to provide a way of evaluating and planning for SMSC across the school. We've kept it simple and cost effective and whether you use Gridmaker or not, iAbacus for SMSC is a must for every SMSC Coordinator.

iAbacus for SMSC

Bye for now

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