



Previous issues can be viewed on [www.learn-ict.org.uk/materials/ees\\_newsletters](http://www.learn-ict.org.uk/materials/ees_newsletters)

## Issue 4

## Digital Photo Competition "Numbers and Shapes"

We liked the idea on the MathCymru website ([www.mathcymru.org](http://www.mathcymru.org)) of children taking digital photographs of their interpretations of numbers and shapes and have decided to run a local competition alongside it.

As a maths team we are working with the Arts and ICT teams to promote the competition as an opportunity for schools to encourage creativity and cross-curricular work.

Letters have already gone out to schools and we have started to receive our first contributions, but in case they have not reached everyone here are details of how to get involved.

- Pupils from all Key Stages are asked to look for numbers and / or shapes in their environment and to capture their ideas using a digital photograph
- Schools then select photographs and submit up to 4 entries per year group
- Each entry must be accompanied by a short description by the pupil of when and where the photo was taken and why the composition was chosen, as well as the pupil's name, school and year group

We plan to share the images in a variety of ways:

- Through an exhibition during the Spring Term
- By using the photographs to produce a CD for all schools which will be a resource for use across the curriculum
- By displaying a selection of photographs on the Learn-ICT website.

When you have selected your photographs put them on a CD and send them to:

Caron McColl, Administrative Support for the Arts at Education Effectiveness,  
YG Bryn Tawe, Heol Gwyrosydd, Penlan, Swansea SA5 7BU.

Alternatively, if the files are not too large, you may email your entries to  
Lynwen Barnsley, Mathematics Adviser on  
[Lynwen.Barnsley@swansea.gov.uk](mailto:Lynwen.Barnsley@swansea.gov.uk).

**Closing date - Monday November 26<sup>th</sup> 2007**



News  
Courses

Resources



## Mathematics and Numeracy Courses

### Subject Leaders

<p><b>Primary Mathematics Coordinators</b></p> <p>Clydach Education Centre</p> <p>Autumn 2007 November 6<sup>th</sup> &amp; 7<sup>th</sup></p> <p>Spring 2008 February 5<sup>th</sup> &amp; 6<sup>th</sup></p> <p>Summer 2008 May 21<sup>st</sup> &amp; 22<sup>nd</sup></p>	<p><b>Heads of Mathematics Departments</b></p> <p>Clydach Education Centre</p> <p>Autumn 2007 November 12<sup>th</sup></p> <p>Spring 2008 March 18<sup>th</sup></p> <p>Summer 2008 July 3<sup>rd</sup></p>
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*Further details  
available on the  
Intranet*

*See details on page 3*

### One day Courses

#### **Improve your Maths, Improve your Mind**

This course is an opportunity for KS2 teachers or non-specialist teachers in KS3 to improve their mathematical knowledge and skills. We will look at areas of mathematics that often cause difficulties for pupils and teachers.

Autumn 2007 December 4<sup>th</sup> Clydach Education Centre

#### **Moving Maths from the Concrete to the Abstract**

This course will explore how the development of mathematical concepts are related to the concrete, visual and abstract stages of thinking. We explore strategies and resources that can be used to support children's development.

Spring 2008 January 15<sup>th</sup> Clydach Education Centre

Target audience: Primary practitioners

#### **Interactivity in the Maths Classroom**

This course will explore a wide range of ICT resources that can be used to enhance the teaching and learning of mathematics.

Spring 2008 January 24<sup>th</sup> Clydach Education Centre

Target audience: KS2 and KS3 teachers

#### **What if.....?**

This course will experiment with variables in maths to enable the teacher and pupil to ask "what if..?" questions.

Spring 2008 March 12<sup>th</sup> Clydach Education Centre

Target audience: KS4 and KS5 teachers

*Any questions, contact*

*Gaynor Brooks  
01792 637166*

***Applications for all courses must be made through the Short Course Booklet.***





## BEAM

[www.beam.co.uk](http://www.beam.co.uk)
 **Trialling materials**

BEAM always canvasses the opinion of both teachers and pupils before publishing their materials and so each term sends materials for trialling and / or questionnaires. If you take part and the materials are published then you are sent a free copy. This term's materials include two board games for 3 – 5 year olds and activities for active maths outdoors or in the hall for three year groups, 5 -7 years, 7 – 9 years and 9 – 11 years.

If you are interested in taking part then email

[Lynwen.Barnsley@swansea.gov.uk](mailto:Lynwen.Barnsley@swansea.gov.uk)  
and we'll send the materials.

**Maths of the Month**

Every month there are downloadable games and activities on the BEAM website.

 **New Publications**

**Play Away Maths** – family friendly books of homework games. One book of 20 games for each year group 1 to 6.

£39.50 each

**Number Challenge Interactive** – games for the computer or interactive whiteboard to practise mental calculation and rapid recall.

Apprentice for Years 2 and 3

Brainbox for Years 3 and 4

Champion for Years 5 and 6

£85.00 each

Online demonstration at:

[www.beam.co.uk/demos.asp](http://www.beam.co.uk/demos.asp)

**Maths in Stories (ages 3 – 5)**– ideas for setting up learning environments which are mathematically challenging and exciting using stories and tales.

£29.50



## Websites

[www.ncetm.org.uk](http://www.ncetm.org.uk) – the National Centre for Excellence in the Teaching of Mathematics

Interesting articles and information about the teaching of mathematics

[www.maths4life.org](http://www.maths4life.org) – ideas for working with adults at level 1 or 2 but the ideas can be used in classrooms and for numeracy across the curriculum.

[www.childrens-mathematics.net](http://www.childrens-mathematics.net) – interesting articles and ideas for those working with children 0-8 years.



## Contact Details

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