

SMARTTeacher

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The latest in interactive learning from SMART
Spring Term



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Extraordinary made simple™

SMART™

Welcome

Welcome to the **7th** edition of SMART Teacher, the publication bringing you industry news and information on innovative ways to use technology in the classroom.

Register today for your free copy

SMART Teacher, our termly newspaper is free to all education professionals working with SMART products.

To register for your personal copy, please visit :

www.mysmartspaces.co.uk/smartteacher



News Flash

Take the next step with 3D SMART Unifi 65 projector



SMART have taken a giant leap into the three-dimensional world with the release of the new SMART Unifi 65 Projector with 3D support. Just imagine – you can break free from the traditional limitations of teaching by using 3D to create the same stunning affects you see in the cinema right in your own classroom.

As a teacher you will note improvements in the discipline and attention of your pupils and be amazed at the amount of content you can cover in one lesson. Being able to show and explain more complex material in a way that visually captures your pupils, as though they can reach out and touch the image, will really change the learning environment.

This technology is easy to use and unlike previous 3D projection technology, which requires two perfectly aligned projectors with two separate video feeds, the Unifi 65 can deliver stunning, high-resolution images straight from the one projector.

This projector can be purchased as a stand-alone product or as part of an integrated SMART Board solution.

The power of multi-touch SMART Board 8070i interactive display

Bring the power of multi-touch to the teaching environment with the new SMART Board 8070i Interactive Display with an HD screen. This fully integrated, easy-to-use interactive system, with sharp, vibrant colours and precise touch control is perfect for classrooms.

SMART's award-winning DVIT technology is at the centre of the SMART Board 8070i interactive display. It gives you the ability to use either your finger or the pencil tool to accurately write notes and interact with applications. It supports multi-touch gestures like zoom, resize, pan and rotate as well as allowing two pupils to use the board simultaneously.

When you combine SMART Notebook™ software with the SMART Board 8070i interactive display, lessons become hands-on, interactive experiences. This collaborative learning software features an intuitive interface that makes it easy to design lessons that you can use again and again. You also have the freedom to write in digital ink in commonly used applications, such as Microsoft Word and PowerPoint, and save all your notes in one file. You can then save your file to a USB drive or email it immediately to your pupils, right from the interactive display, reducing the amount of time your pupils spend copying and compiling notes.

For more information on the SMART Unifi 65 projector or the SMART Board 8070i interactive display please call: 08450 724 800

Experience a new class of learning

With the SMART Board™ 800 series interactive whiteboard System

A new class of interactive collaborative learning is entering the classroom with the introduction of the SMART Board 800 series interactive whiteboard System.

This new series of interactive whiteboard is opening new dimensions of teaching by giving you the ability to work with pupils directly on the surface of the board at the same time.

The new interactive whiteboard offers teachers more versatility and increased engagement in their lessons. Teachers can use the board as a learning piece to get children working on the same problem at the same time.

Freedom to interact

The multi-touch capabilities of this interactive whiteboard give you the power to simultaneously work on the board with one of your pupils to draw and manipulate objects using SMART Notebook software. There is no need to switch to multi user modes, so your pupils can begin to collaborate quickly, working together, while completing different actions.

Forget about reaching for the mouse or using onscreen menus, with the SMART Board 800 series no tools are needed. Simple finger gestures can be used to draw, erase, rotate, pinch and zoom in and out on images – it really does make learning a magical experience.

Through SMART digital ink pupils of all ages and abilities, including early learners and special needs pupils, can draw and write effortlessly over websites, videos and images that are then transformed into objects that can be moved around.

Take control of the lesson

The intuitive nature of this SMART Board gives you greater control over your lessons, helping them to flow and stay on track. All of your notes and lesson materials are accessible from the one application and can be saved instantly on the one program using SMART Notebook software.

The boards are now easier to use for everyday teaching thanks to the incorporation of integrated short throw projectors that reduce the glare and distractions faced by teachers using whiteboards in the classroom.

Thinking of Upgrading?

We firmly believe that the interactive whiteboard enhances the learning experience. And while we hope your original SMART Board purchase has provided many years of engaging teaching, technology is continually changing and you may be thinking about an upgrade purchase.

The SMART Board 800 series is available to order from January 2011 and with its innovative multi-user technology there are a lot of great reasons to upgrade.

The ability to freely interact with another person on the same surface, without having to switch to another mode will open up new opportunities for creative teaching in a range of subjects for pupils of all ages.

Imagine being able to have pupils simultaneously work on maths problems, evaluate scientific questions and mind-map ideas, this new board really will create natural pupil collaboration.

To find out how you can upgrade to the SMART Board 800 series contact us on: 08450 724 800



BETT launches an exciting year for SMART

This year's BETT exhibition proved to be a great success for us here at SMART, with four days of exciting new product launches, active debate on the latest in education technology and lots of fun interactive activities for people visiting our stand.

BETT is the world's biggest ICT in education exhibition bringing together people from across the education sector to showcase the latest products and ideas for improving education through technology. Held at Olympia, London from January 12th to 15th, this year's event attracted thousands of people from around the world.

We were particularly excited about BETT 2011 as it marked the launch of a new range of SMART education solutions to help improve learning environments. We showcased these products at our double-decker stand, B50.

Highlights from BETT 2011

Launch of the SMART Board 800 series interactive whiteboard system – A multi-user experience

One of the biggest highlights at our SMART stand this year was the new SMART Board 800 series interactive whiteboard. This new class of interactive whiteboard allows instant and simultaneous interaction between two different users.

Through enhanced Digital Vision Touch (DVIT) technology, the 800 series supports multiuser writing and common multi-touch gestures currently recognised in Microsoft Windows 7 and Mac Snow Leopard. Now you can get two of your pupils working on the board at the same time using their fingers.

Creating new realities in 3D

SMART Document Camera with 3D capability.

Visitors to our stand were captivated by how 3D can be used in the classroom to teach more complex and abstract concepts.

In the presentation theatre, our team gave demonstrations on how the mixed-reality ready SMART Document Camera can show 3D images simply by holding digital markers under the camera. Using mixed reality means you will now be able to manipulate objects to explore and explain your lesson material in more detail.

A hub of interaction

Interaction was a big part of the SMART stand.

People of all ages spent time drawing and moving images on our interactive whiteboards and answering quizzes and mathematical questions through the SMART line of learner response systems, which are available to any age and subject.

We had some excellent feedback from people at BETT. In particular primary school teachers were really interested in how the visual and touch aspects of our SMART Table interactive learning centre can be used to help pupils in early years and with motor skills disorders.

Once again, BETT was a great opportunity for SMART to gain direct feedback from education professionals on new technologies, while offering innovative ideas on how to improve learning environments.

For more information on any of the SMART products at BETT this year, contact us on: 08450 724 800



Missed BETT?

Don't worry one of our education consultants can give you insight in to all of the latest news and information.

To find out more email:
smartteacher@steljes.co.uk

Enhancing the way children learn with the SMART Table

Lent Rise Combined School



Recently Jill, assistant head teacher at Lent Rise and Librarian Julie Colgate, one of the main creators of SMART Table activities at Lent Rise, have developed a lesson plan to promote community cohesion and help pupils understand where they live. Using images of the school, its eco-garden, buildings and teachers, along with photos from the local landscape, Julie has put together activities using all aspects of the SMART Table to teach children about their local neighbourhood.

"When I created the activity I used Image Reveal. The image is hidden and the children have to answer questions to reveal parts of the picture. For example, one of the questions is to name the classroom that they see in the picture." As well as teaching children to respect their local community, Jill says this activity helps create a sense of belonging amongst the pupils.

When building SMART Table activities, Julie uses a range of different sources for content. These include books that pupils like to read in the library, popular characters and by picking up on the lesson content being covered in the classroom.

All of the pupils love the SMART Table. The touch screen technology is fantastic.

Subject based lessons are proving to be a very effective way of reinforcing what pupils are learning in their classes. Julie talks to the teachers about what subjects they are covering and then incorporates different aspects of the curriculum content into SMART Table lessons.

For example, Lent Rise Year 4 pupils have recently been studying Viking history. Through the SMART Table's hotspots, hotspaces, paint and multiple choice categories children are asked to dress the Vikings

in the right clothes and armour, name certain objects that were used in that time period, and map out where Vikings lived using their fingers. "This is a way of consolidating what happens in the classroom through hands-on activities. Pupils feel that what they are learning has value outside the classroom."

At Lent Rise School every class is twinned with a school from another country with pupils regularly sharing information about their lives and communities. This has served as a great resource for Julie who has created a spectrum of SMART Table activities based on this. These include placing the country on the map, paying for items with international currencies and matching flags to their correct nationality. "This is a great activity for lunchtimes as it can involve children from different classes sharing their knowledge of their twinned country."

At Lent Rise all of the children from 4 to 11-years-old have the chance to use the SMART Table and Jill says it is just as an effective tool for older, more advanced learners as it is for younger pupils. "For older pupils we can alter our existing activities to include a new set of more challenging questions. The SMART Table really works for children of all ages and abilities."

For younger children, and children with learning difficulties like motor skills disorders, Jill says the touch and image features of the SMART Table have been helping them to understand how their movements can create different outcomes. "By repeatedly using their fingers to move images or practise letter formation, the children are learning they can control things through different movements."

Depending on the task, pupils can work together as a group or individually on the SMART Table. For Jill, the group aspect of learning is really important in helping pupils gain confidence and learn how to collaborate with others. "Collaborating as a team and talking to each other about the problem helps children comprehend what they are learning."

Programs in the SMART Table can be specifically set for the number of children participating in the activity. At Lent Rise one of the most popular partner activities is the 'pick your favourite animal' activity.

For older pupils we can alter our existing activities to include a new set of more challenging questions. The SMART Table really works for children of all ages and abilities.

In this case two children work simultaneously on the SMART Table matching names to the correct animal, answering questions about the animals and selecting their favourites.

"This is a great discussion point. Pupils start talking about why the animal is their favourite, where they have seen these animals, what they eat and where they live, it can lead to some very in depth discussion."

Pupils are given class time to use the SMART Table and can also use it during library periods and in an after school library group, which Julie runs every Monday and Tuesday. The school also holds open afternoons where parents can come in and experience the SMART Table for themselves.

The group aspect of learning is really important in helping pupils gain confidence and learn how to collaborate with others

For SMART Table lesson activities visit SMART Exchange www.exchange.smarttech.com



Kilsyth out SMART the rest of the world

SMART Exchange Content Challenge UK competition winner

It was during a training course, that Kilsyth Primary School's Head Teacher, Mark Wilson created an award-winning learning resource.

The international SMART Exchange Content Challenge required educators to create an interactive learning resource to support learning at any stage of development. Entrants from across the world were asked to upload their created resource to the SMART Exchange website, from where they were all judged.

On the day in question, Mark Wilson was on a training course on Notebook software at the North Lanarkshire Computer Centre. Near the end of the day tutor Anne Forest asked all the delegates to use aspects of the software that they had learned about and create a learning resource that really unlocked the potential of the tools available.

Mark focused on three dimensional (3D) shapes, and created a learning resource for primary pupils. The activity he created taught the pupils to recognise and name each 3D shape and be able to describe each shape's properties. The pupils use the touch technology to reinforce key teaching points through activities including dragging and dropping the correct name to the matching shape; writing in the correct number of faces, edges and vertices each shape has; and a simple game of pairs where children again match the picture to the name.

The templates within the software were an ideal starting point and allowed Mark to focus on the learning intentions of the activities. With teachers under ever-increasing pressure to create stimulating and motivating activities to address the modern curriculum, the SMART Notebook Software offers an easy way to help achieve that goal.

Using the software in his classroom every day, Mark has now developed an increasing confidence in his ability to quickly develop highly engaging learning activities. Now the children are also learning to use the software to create their own activities!



Creative teaching with the SMART Document Camera

The SMART Document Camera is bringing a whole new world of collaborative learning into classrooms - creating interactive, recordable and reusable ways of teaching.

The SMART Document Camera is full of fantastic features for turning physical objects into digital images and its integration with SMART Notebook™ software enables you to transform images into interactive content anytime during a lesson. Combining your SMART Document Camera with SMART Notebook Software enables you to use all of your Notebook tools like the Shape Pen, Spotlight Tool and Recorder directly through the camera. This gives you the opportunity to produce a learning presentation that children can participate in, that can be recorded for future use and that parents can even see at home that evening.

To help you get the most from your SMART Document Camera here are some examples being used in our schools



Add Audio to your Presentation

- Firstly, make sure your microphone is plugged into the computer and then select the Recorder tool from your tool tray. On the Recorder drop down menu select the area you want to record.
- As you are undertaking practical demonstrations under the Document Camera you can record your lesson and save it as an audio file.
- You can now use this file for future lessons and place it on the school's learning platform so that parents can use and reinforce the lessons at home.



Put the Spotlight on 3D Shapes

- Set up your SMART Document Camera using a screen to shield it from the children's view. Then open your SMART Notebook Software and select the Document Camera icon.
- Then select the Spotlight tool in its small eclipse form and move it away from the Document Camera area.
- Place a 3D shape, like a prism, under the Camera and using the Eclipse tool highlight a part of the shape and ask the pupils to guess the shape.
- You can move the spotlight around the shape until the pupils have correctly identified it. Now you can hand around the shape to reinforce the lesson.



The SMART Document Camera is now an even better electronic imaging tool, featuring an increased 1.3 megapixel camera and a more compact fold down design makes it portable and easy to transport. An enhanced camera means pupils can now see even clearer and bolder real time images in the classroom.

For more information please call us on: 08450 724 800 or visit: www.mysmartspaces.co.uk/doccam

Getting the best response from pupils

Lathom High protects its investment



Dedicated to 'learning for life' and 'achievement for all', Lathom High School provides every child with the right curriculum, the highest quality of teaching and the best learning support possible. Their conviction is that learners achieve the most when they enjoy and can see a purpose to their work. The school designs vibrant and innovative lessons to challenge, motivate and inspire all pupils to gain the knowledge, skills and understanding to enable them to succeed in the 21st Century.

SMART Response PE is very intuitive. If you can work a computer you can use SMART Response.

It was during a regular curriculum managers meeting, designed to share best practice that Lathom High School started to investigate the use of technology to support this recognition of individual strengths. During the meeting, the English department contributed their idea of using an interactive response, or voting system to assess each pupil's comprehension. The department started to trial a non-SMART voting system. "It was a technology that I was unfamiliar with," explains Marc Heron, head of humanities. He continued; "However when we were shown how to use the handsets in the classroom I completely bought into its benefits. The problem I faced was that I always have to balance the learning benefits with the financial cost and, in this case, the cost was very high."

Fortunately for Marc and his colleagues, ICT technician, Lyn Jepson noticed that creator of the market leading SMART Board™ interactive whiteboard, SMART Technologies had a more cost-effective version. "While all schools look for the best value in resources, good design and high quality are vital. Looking at these criteria, SMART Response PE became the obvious choice, and was certainly more accessible under our curriculum budget," explains Marc.

Lathom High, therefore made an appointment for Steljes, SMART authorised distributor in the UK, to visit the school and provide them with a demonstration of how the SMART Response PE system is used.

According to Marc, prior to the visit the department heads were concerned about the functionality of SMART's version. "Despite their reputation for quality, we could not see how their product, at less than half the price of the one trialled by our English department, could provide us with the same level of functionality. However, once the demonstration was underway we soon realised there was very little difference at all. SMART Response PE did everything we wanted across all departments."

We all recognise the value of new product training but with time pressures it can easily be overlooked. However, the value of training was emphasised by the science department when Lathom High started a trial of SMART Response PE. As the first department to trial the resource, the science team questioned whether the resource could support all their needs. "Within a few days a trainer from Steljes came in to answer our questions and the science team quickly understood how to access all the functionality they needed," explains Marc.

After just an hour the Lathom High staff felt very comfortable using the technology. And as for the pupils, it seemed like they'd used the handsets for years! "Now is the time to take advantage of the way children entertain themselves today, to employ those same media and thinking habits they foster for the betterment of learning

outcomes," explains Marc. He continues; "because so much of pupils' experience is shaped and surrounded by imagery, these highly interactive technologies designed for pupil engagement have truly become the new currency of learning."

In terms of usage in the classroom, Marc has found it best to start with basics then work up to doing quick tests with multiple choice answers. Providing a choice of answers can often be a form of teaching for those who might be struggling. They may not be sure about the correct answer, but they know enough that, given a choice, they can give a considered response.

For planned activities, Marc found that using multiple choice questions at the beginning of the lesson and another set of similarly weighted questions at the end provides a quick and accurate indication of improvement.

Using each pupil's unique admission number from the SIMS database, Lathom High is able to easily save response data against each pupil record, across a range of subjects, enabling teachers to see the knowledge levels of each pupil at a glance, quickly identifying and addressing any areas for development.

One lesson style Marc has found to be particularly effective actively encourages the pupils to understand the learning objectives prior to the lesson. He elaborates; "when the pupils come in they complete a starter activity which gives them an indication of the intended learning for the lesson. I then give them an opportunity to use the handsets to tell me what the lesson is about. This is a great way of sharing learning Objectives. Before the lesson has even started they are thinking about what they are going to learn."

Marc concludes; "Across all departments we have found SMART Response to deliver a significant return on investment. It engages the pupils, tracking their progress and providing reliable indications of their level of comprehension. When considering the debate on the value of SATS and other tests, the technology provides teachers with invaluable assessment data without the pupils even considering they are being tested.

"Finally, and possibly more importantly, it saves the teacher's hours in marking and creating reports."

Across all departments we have found SMART Response to deliver a significant return on investment. It engages the pupils, tracking their progress and providing reliable indications of their level of comprehension.

Everyone has a voice with the SMART Response Line



With three unique models, SMART Response suits a variety of learning environments

The SMART Response family is accessible through SMART Notebook software and can work alongside your SMART Board interactive whiteboard to provide a complete interactive response system.



SMART Response LE

Early education pupils also have a voice through SMART Response LE. Created specifically for primary and Special Education Needs pupils, this system has easy to use wireless remotes with large screens and colour coded buttons, perfect for reaching pupils of all abilities.

You can ask yes/no, true/false or multiple-choice questions with each answer corresponding to a different coloured button. Once again you have instant access to all assessment results.



SMART Response XE

Building on the success of the SMART Response LE and PE systems, the XE version is the next generation, tailored to suit late secondary levels in subjects like Science and Mathematics.

The latest addition to the SMART Response family is an advanced response and assessment system featuring an extended 140-character 'qwerty' keyboard style remote.

Like the LE and PE systems, you can input quizzes, tests and exam questions, but using the new handset pupils can answer more complex open-ended questions using mathematical equations and scientific functions like quadratic equations. With this keyboard you can really test your class's knowledge by asking questions that have more than one correct answer.

You will then instantly receive the pupil's answers and be able to see who has got it right or wrong. With this information on hand you can focus on areas where the class may be struggling and be aware of particular pupils who may need more tuition.

Answers are automatically graphed and can be exported into Excel® to produce class averages and reports at the click of a button. A built in grade book can also help you record all test scores and track each individual's progress.

This new response system is also a fantastic tool for those of you with larger class sizes. With large classes it is hard to determine how each pupil is progressing. With support for up to 100 handsets, the SMART Response XE gives you this information.



SMART Response PE

The SMART Response PE system caters to a broader range of subjects at secondary school level.

With this system pupils use a wireless handset with 20 different features allowing them to answer questions using multiple-choice functions, in text, or through the numeric buttons for decimals, fractions and even positive and negative numbers.

Once a pupil has answered they receive confidential feedback directly to their remote. They no longer need to worry about being singled out in front of the class if they cannot answer a question, as only you will have access to each individual's response.



For more information on the SMART Response Family call: 08450 724 800 or visit: www.mysmartspaces.co.uk/smartresponsefamily

SMART Notebook Maths Tools

The right equation for interactive maths lessons

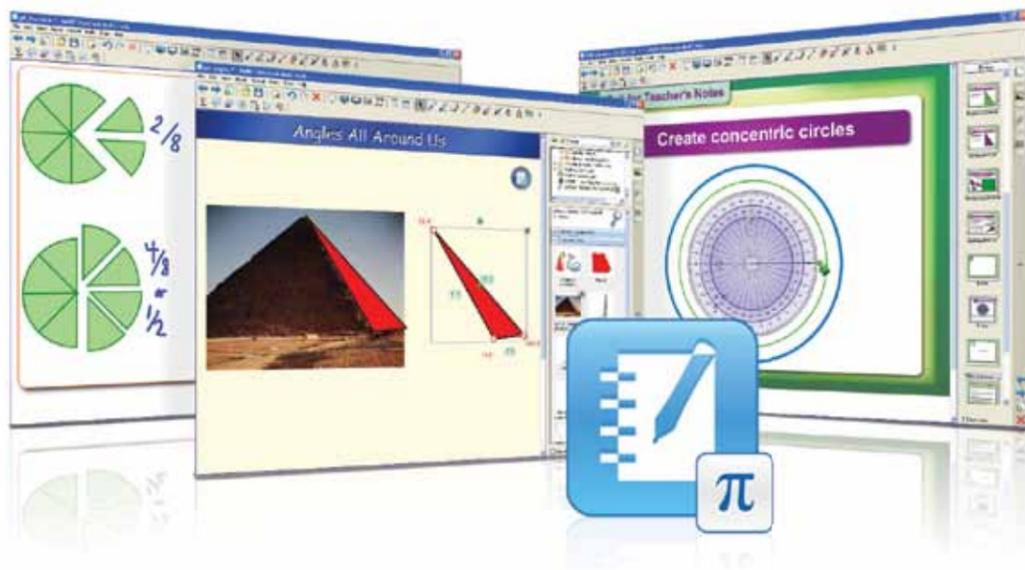
Teaching and learning maths with SMART Notebook software couldn't be easier.

With SMART Notebook Maths Tools, you can demonstrate and explain complex maths concepts using interactive tools, such as an equation editor and custom graph builder.

SMART Notebook Maths Tools is also the first interactive whiteboard application to have handwriting recognition for Mathematical symbols, making it easy for you and your pupils to collaborate on creating and solving equations.

Now more affordable than ever at just £49 SRP

For more information call: 08450 724 800, or visit: www.mysmartspaces.co.uk/notebookmaths



Extraordinary made simple™



Do you have a point to make?

Would you like to contribute to SMART Teacher, do you have a great tip for your fellow SMART users, or do you have a question or suggestion for SMART?

Share them with us and if we publish your letter in the next issue we will send you a SMART Pointer!

Contact us via

smartteacher@steljes.co.uk or write to:
SMART Teacher, SMART Technologies, Bagshot Manor, Green Lane, Bagshot, Surrey, GU19 5NL



Claim your SMART Goodies

Complete your SMART Sudoku and return it to us and the first three correct answers will win a variety of SMART goodies. Send your answers to: SMART Competitions, Bagshot Manor, Green Lane, Bagshot, Surrey, GU19 5NL or email a scanned copy to smartteacher@steljes.co.uk

(Don't forget to include your name, school and address)



Winter Fun!

Have your photo taken reading SMART Teacher and the most interesting pictures we receive will be sent a selection of SMART goodies.

Send your photos with your name and the location you were in to:

smartteacher@steljes.co.uk



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