

Burgess Hill

BUSINESS PARKS ASSOCIATION

Opening Remarks

Smart Thinking, Great Ideas

Last week a lot of smart thinking was going on in our local primary schools and a lot of great ideas came about...

So this week is a very special issue where we celebrate all the hard work of those involved in Mid Sussex Science Week. During the week local companies engaged with over 250 pupils across Burgess Hill, helping them develop science projects. Teams from each school then came to present at The Kings Centre last Friday.

We also introduce another new member to the association!

Keep your news stories coming in: richard.cox@bhbp.co.uk



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Mid Sussex Science Week

The 17th June saw the culmination of a fantastic week of collaboration between schools and local companies to enthuse the next generation of Engineers and Scientists.

Philip Todd, the Chairman of MSSW, commenced proceedings by welcoming the schools, businesses, STEM Ambassadors and judges to our first science week following the pandemic. He explained that it would not have come about without the help and assistance of BHBPA and its Chief Executive Richard Cox.

Five schools from the Burgess Hill area attended; students from years 5 and 6 took part from Birchwood Grove Primary School, Bolney Village Primary School, London Mead Primary School, Sheddingdean Primary School and Southway Junior School. Each school was partnered with a local business to develop a project based upon science, technology, engineering and maths (STEM). In addition, we had a small contingent from Woodlands

Meed who also enjoyed the event immensely.



One of the four pairs of judges visits Birchwood Grove's project



Ardingly College's solar powered car

The goal of the event is to encourage Science, Technology, Engineering & Maths (STEM) among ten year olds.

Research shows that interest drops off after this age in STEM subjects, particularly with girls. The aim is to show how interesting and what fun STEM subjects are.

We were very fortunate to also have a number of exhibits for the children to see and interact with during the morning from several local companies.

From Ardingly College, there was the only solar car that is road legal in the UK.

Broadcast Bionics had a radio station set up and a fault-finding challenge for the children to solve. This gave our young technologists an opportunity to turn knobs and find faults in a radio broadcast.



Broadcast Bionics

Edwards Vacuum showed the effect that a vacuum has on various items including marshmallows – which they enjoyed eating too! Another experiment with a balloon was



equally jaw dropping for our young visitors.

ISG, the construction company currently building the new £21 million Woodlands Mead College, created a giant tetrahedron structure that the children helped to build over the course of the morning.

Edwards Vacuum

By the end of lunch, this structure towered over 12 feet high! All the schools took photos of their classes standing underneath it. It's a geometric shape the pupils would have covered in their curriculum and this was an excellent demonstration of its strength.



IGS team busy with the gigantic tetrahedron taking shape



BSE3D made LED torches with the children and showed how they could be used to send messages in morse code

Bio Productions showed how cleaning products work and the science behind it with some fantastic demonstrations.

Angela Gill, MD of Bio-Productions had this to say about her team of white coated chemists and demonstrators:

BSE 3D making simple torches

Our team, Nettie, Aiden & Becky loved interacting with the students, bringing our biological technology to life for them, there were lots of giggles and fun to be had talking bugs, oranges and toilets!



Sally explaining an aerodynamic stance

Sally Turner a Team GB Triathlete brought in her bike and some sports equipment to show the children how science and technology are used to help athletes perform better.

During the morning activities a group of children from each school were given an additional challenge...to design and build a bridge made from 50 art straws and masking tape to support weights at mid-span before collapsing, all within 30 minutes.

STEM Ambassadors from [HPC Compressed Air Systems](#), [Edwards Vacuum](#), [Leap Environmental](#), [BSE FM](#) and [Mitsubishi Electric](#) gave of their valuable time to work closely with teachers to set a suitable project they could eventually present on the Big Day last Friday.

In many ways a whole raft of people made the event possible. MSDC made sure the grass at the nearby Pepper Park on the Victoria Estate was mowed in good time. Burgess Hill Town Council went the extra mile, the day before our event, with a final mow, litter pick and the removal of any offensive graffiti. This meant that our young delegates had somewhere to have lunch and run about safely during their break.

We must also say a huge thank you to The Kings Centre for providing us with almost the entire facility, including large rooms behind the main hall, where we had our design challenge taking place, judges room and lunch area for the assorted adults helping us on the day. Catering was provided by BHBPA member [Indigo Events](#). Special thanks to the Kings Centre manager Ashley Bence.

Every child that participated during the week received a goody bag. Again, Edwards Vacuum stepped up here, generously providing us with a great bag made out of recycled plastic bottles along with other items made from recycled materials, other assorted items were also donated by our exhibitors, BHBPA member [Aquapax](#) donated a sustainable carton of spring water for each bag.

In addition to this, Burgess Hill Business Parks Association, [BSE 3D](#), Mid Sussex District Council, Edwards Vacuum, and accountancy firm [Carpenter Box](#) provided generous financial support to make this event happen.

Alastair Watkinson, Business Development Manager at Carpenter Box had this to say:

"We are thrilled to be sponsors for the Mid-Sussex Science Week. This is a fantastic opportunity to encourage children's curiosity and engagement for STEM subjects at younger ages and transcend societal stereotypes. By showing the future generation the diverse prospects of STEM topics, we hope that this will make it more accessible to all".



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An event we intend to repeat annually

A huge number of people were involved to make this happen

On the call of a whistle every 15 minutes small groups of pupils from each of the schools moved around the various exhibits or came back to their own school's project to explain the reasoning behind their projects to the assorted judges.

We had experienced educationalists pairing up with representatives from Sussex businesses at the forefront of science and technology in their fields. This included Jen Dallas, Head of Digital UK&I at FTSE 1000 company [RSA Group](#), giving back and supporting the next generation of [#womenintechology](#).

Another judge, Lorraine Wheaton, an information technology professional from Crawley firm [Thales](#), is also keen to encourage more girls to look at the career possibilities offered by studying STEM subjects.

The judges were taken aback by the wide scope of subjects covered in each project, the pupils' ingenious ideas shown on the display boards, the testing of many models made out of what were invariably recycled materials, the design and plans that were drawn and how the pupils had brought their own ideas to their work.

As one of the judges, I was impressed when one of the girls from the winning team explained tension and compression in the design of their numerous bridge models.

After lunch we welcomed our Guest of Honour, Mims Davies, Member of



Parliament for Mid-Sussex and Parliamentary Under-Secretary of State for Employment.

Mims Davies emphasized how important it is to encourage science, technology, engineering and maths with our young people.



She pointed out how especially important that is for Burgess Hill as we commence the development of the new science and technology park. Mims presented the winning schools with their prizes.

The winning school team, Birchwood Primary School were asked to step up on the stage to receive their trophy.

The winning school also receives £300 worth of science based books from The STEMHUB in Canterbury and we are very grateful for Dr Hellen Ward and team for their support during MSSW.



The winner of the Design Challenge, which was a separate 30 minute bridge building exercise, with a small group from each school, was Bolney CE Primary School.



The Winning Project

Birchwood Grove County Primary School for their project on investigating living bridges. Supported by Leap Environmental.



Birchwood Grove Primary

Another view of the many different types of bridge models built



Bolney CE Primary School

Bolney worked with HPC and learnt about compressed gas and went on to develop cars that were propelled by air. This project was runner up in the competition



London Meed Primary School

London Meed worked with Mitsubishi Electric to investigate how catapults work and they went on to design and make their own



Sheddingdean Primary School

For their project Sheddingdean were partnered with BSEFM and looked into how heat recovery ventilation systems works and made a prototype



Southway Junior School

Partnered with Edwards, they investigated rockets and tested their numerous designs in a number of ways. They showed some of their results on ipads.



The event was hard work yet very fulfilling for all involved. One child told us 'it had been the best day out ever!'

The afternoon finished with a science magic show from 'Do Science' which was enjoyed by the children and adults alike. The children left the event with their goody bag full of items while their teachers looked after the very handsome looking certificates awarded by the University of Canterbury. Every pupil involved received one. We hope they all cherish the day.

We were delighted to see such enthusiasm in the children. They were all keen to share their projects and explain what they had learnt. Many said they had the best week and would definitely look to a career in the STEM field.

If you have a local business that would be interested in supporting this event next year, please register your interest at feedback@midsussexscience.org and we can hopefully put on a bigger and better event next year.

New Member

BSE 3D

With most of our lives spent inside buildings, we grow, live and work in these environments – consequently they can have a dramatic effect on our quality of life, happiness, health, and

productivity. In an everchanging world we need to adapt to new situations and be there to support our client's needs.



**Phil Todd, Managing Director of BSE 3D
Chairman of Mid Sussex Science Week**

Sustainable design is at the heart of what we do at BSE 3D. We are passionate about the concept of enhancing life experience through carefully considered designs.

Commitment to improving the quality of the built environment is fundamental to the work of our consultants and engineers. We work alongside our clients to improve the environment of the building users.

BSE 3D work with organisations across the UK and internationally. Our expert building services engineering consultants recognise our success is based on building strong relationships with our clients. From our offices based in London, Sussex and Ireland we pride ourselves on being considerate and proactive consultants who will work with you, striving to find and offer the best solution to a project on an individual basis. We design for the best economical and environmental solution that considers: performance, lower life cycle cost, comfort and a practical solution for simplicity in operation and maintenance.

Our building service designs look to maximises the potential of buildings and enhance their functionality, and usability, as well as reducing their impact on the natural environment. We provide a complete building services design across many market sectors including; commercial, residential, hotels, leisure and education. We also offer site monitoring and management, energy and sustainability design, thermal imaging, operation and maintenance manuals and EPC's.



Contact us to find out what we do and how we can help you. mail@bse3d.com or **01444 414241**.

BSE3D.com

Selected BHBPA Networking Events



Edwards Vacuum will be hosting our June event. Numbers will be restricted to 60, so book early to avoid disappointment

FREE - members only
Wednesday 29th June
8.30-11.00am

Summer networking at Borde Hill Gardens. Usually it costs £7.50 to enter the gardens. We have secured FREE tickets, a guided tour with one of the gardeners and tea and cake!

FREE - members only
Thursday 14th July
4.30-6.30pm

Join us for the return of our big expo

Stands - £100
Entrance - FREE
Friday 16th September
10.30am-3.00pm

All Upcoming BHBPA Events

Would you like to give a presentation at one of our general networking events?

We are always interested to hear from you if you have a 10-15 minute presentation covering a pertinent business topic. To discuss this in more detail contact richard.cox@bhbpa.co.uk

Wednesday 29th June 8.30 to 11.00am

Site tour and networking at Edwards Global Technology Centre

Tuesday 12th July 4.00 to 5.00pm

2nd Tuesday ZOOM networking (July)

Thursday 14th July 4.30-6.30pm

Borde Hill Gardens - Tour and networking

Friday 16th September 10.30-3.00pm

Burgess Hill Means Business - The Kings Centre

Please ALWAYS book our events on our website.

Whether it's an online event, or a site tour at one of our members, or a networking event at a venue. We need to know how many are attending. Spaces can sometimes be limited and we are finding increased demand. So book early!

To Book Events - [CLICK HERE](#)



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Closing Remarks

We want to hear from you

We are keen to hear your stories, awards won, apprenticeships completed, sustainability

improvements, your involvement with local schools and all and everything going on in the various business parks around the town.

Let's celebrate your successes and achievements!

Deadline for copy each week is Thursday 3.00pm

Contact me directly - richard.cox@bhbpa.co.uk

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