The right answers for Academies

www.viglen.co.uk/school
At Viglen we believe that Academies should be exciting and energetic schools that pupils are proud to attend. With state of the art ICT at their core, Academies are able to provide the very best facilities to enable teaching and learning in a modern, progressive curriculum. Partnership with Viglen will bring ICT to life, putting it at the centre of the curriculum where it belongs.

Drawing on extensive experience over the last 3 decades Viglen are ideally placed to advise Academies on how to weave technology into the fabric of the school. ICT can be integrated into every lesson but should not be limited to the classroom in order to raise levels of attainment and prepare pupils for their future. And because we are thinking about the future, our innovative, long-term ICT solutions can also help you reduce your impact on the environment.

We are totally dedicated to the needs of education and our solutions are designed to meet the local needs of your Academy and to enhance your chosen specialism. Whether you are an existing Academy or you are thinking of taking your first steps in an unfamiliar world, Viglen have the knowledge and experience to help you achieve your goals.

Bordan Tkachuk, Chief Executive Officer, Viglen
Raising the bar

Growth in technology means we are constantly surrounded by music, art and media that have been created digitally. It is only natural that this should also be incorporated into education through ICT.

Across Music, Media and the Arts pupils are encouraged to develop their own ideas, creativity, knowledge and understanding. ICT offers new approaches and techniques which present diverse ways to explore self expression in these subjects. It provides a distinctive medium for musical expression and performance, image creation and manipulation, and the capture and editing of moving images. ICT can also provide valuable tools to enhance evaluation and review within these subjects as well as providing scope for pupils to explore aspects of their work and a means of sharing and distributing their compositions.

Viglen’s range of desktop computers offers outstanding performance allowing your students to shine in their creative endeavours. We can supply everything from electronic instruments and mixing desks through to cameras and editing equipment providing the means to encourage imaginative thought and engagement. The possibilities for customisation are almost limitless making our range the ideal companion for Music, Media or the Arts.

Viglen can equip performance spaces, dance studios, arts and music rooms and editing suites in addition to the traditional homes of ICT such as libraries and multi-media class rooms allowing all students to benefit from a stimulating learning environment. We can advise on creative approaches to ICT to assist in the development of active learning by students across every subject area. We can also install infrastructure in your Academy providing students with the means to seek out, access and communicate a wide variety of media, sounds, art and factual information.

With Viglen’s advice on ICT implementation you can choose the technology to support students leaving them free to express their creativity.

Key benefits

- Sector specialists
- Bespoke solutions
- Flexible product range
- Multimedia integration
- Audio Visual expertise
- After sales support

For more information please contact our dedicated Academies team on: 01727 201 820 or academies@viglen.co.uk
Aim high

First Class ICT equipment and reliable access to information is essential for engaging students in Business and Enterprise.

In this fast-moving technological world, ICT skills are vital to success and when complimented by an understanding of business they can enrich all areas of learning. Information is key in the world of business and pupils need to be able to access the most up-to-date information when and where they can use it best. As technology continues to develop, the range of uses and applications will become wider still, developing further channels for the facilitation of ideas and opinions.

Viglen’s classroom solutions can be deployed where space is limited without compromising performance. Flexible design with a versatile monitor stand makes the most of classroom space focusing your ICT investment just where it’s needed. Teamed with Windows 7 Professional and Microsoft Office 2010 you can create a virtual business environment allowing students to experience a range of work-related activities preparing them for real world business computing. In addition to our innovative range of hardware we can also offer advice and support on the most appropriate networks, servers and storage to help you achieve your goals and improve your facilities.

ICT plays a significant role in the acquisition and development of transferable skills. By encouraging a stimulating, engaging and motivating environment for pupils you can make sure they are fully equipped to deal with future demand.

Key benefits

- Cross-sector expertise
- Real world technology specialists
- Scalable solutions
- Microsoft EdLAR
- Infrastructure integrators
- Key partnerships with market leaders

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**Liberate communication**

Allow students to make masterpieces of their own by providing the best ICT support.

The explosion of ICT has altered the way we communicate. Used appropriately and imaginatively these changes can be embraced to enhance learning. The internet can be used to carry out research and to talk with partner schools in other countries. Microphones, headphones and Voice over Internet Protocol (VoIP) are all available to support interaction. Libraries of text can be stored, shared and explored by multiple users at any one time. Students can build their own websites and write blogs to share their information and ideas. Tools are available to assist in recording and processing data and to select, categorise and organise information.

ICT encourages the integration of speaking and listening, reading and writing all of which are key to enhancing teaching and learning across multiple subjects. With a focus on personalised learning, ICT supports different styles allowing pupils to work independently and exercise choice in the way that they learn. This also allows students to relate their understanding of different subjects across the curriculum.

With a rich heritage in education and strategic partnerships with industry leaders, Viglen is ideally placed to consult on ICT solutions and information management for Academies. We listened to the needs of education and designed our range of PCs specifically with Academies feedback. Completely integrated, our all-in-one PCs are perfect to suit an exact range of applications and equipped to meet the requirements of the wider curriculum.

**Key benefits**

- Sector specialists
- Flexible product range
- Technical expertise
- End-to-end solutions
- Key partnerships with market leaders
- After sales support

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Examine future variables

Viglen’s winning formula contains all the elements to enhance attainment in Science and Maths through the integration of ICT.

Advances in technology are driven by scientific exploration and the work of mathematicians. As research and analysis becomes more complex, technology must move forward to accommodate the changed ways of working. In the classroom these developments open doors to learning affecting the way that investigations are conducted, how data is collected and analysed and how findings are communicated. ICT helps pupils engage with processes, concepts and knowledge to improve motivation and understanding. Data collection, logging and handling is made simpler, giving better quality and more accurate results. Complex and time-consuming experiments can be simulated to increase student interaction.

Mobile computing allows ICT to be integrated safely and easily into lessons without taking the focus away from the subject. Field research is child’s play with notebook solutions from Viglen allowing the lab to go mobile. With portable processing power and a variety of ports for greater connectivity notebooks can be quickly and easily linked to meters and measuring devices on the workbench. Our knowledge can open ICT to the next generation of scientists and engineers through successful classroom deployment.

Viglen can help you recognise integration opportunities in areas that you may not have previously considered. For example when considering Sports Science, ICT can be used to enhance performance and evaluation. By providing tools for recording and reviewing data students can experience real-time performance evaluation. This data can then be used to drive study within several subject areas for truly cross-curriculum ICT deployment.

Key benefits

- Prove track record
- Technical expertise
- End-to-end solutions
- Key partnerships with market leaders
- Cross-curricular integration
- Performance evaluation

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Configure your creations

Viglen will guide you through the process of choosing the most appropriate components and peripherals to build a blueprint for success from your ICT solution.

Just as it has transformed processes in the industrial and commercial world, ICT can boost attainment in the study of technology and design with computer-aided tools that would have been unavailable to students just a few years ago. ICT provides students with access to a range of tools and equipment which can be used in the creation of models and control of devices. Many sources are available to enable problem solving, assist in the analysis and exchange of information and development of ideas and knowledge.

ICT can be used at different levels within different activities. In some projects it will act as an integrator, informing students’ awareness of the impact of technology on their environment. It will inform some activities by supporting research and enhancing knowledge to allow the exploration of ideas. Finally ICT provides tools, equipment and resources necessary to complete design, realisation and presentation.

Viglen’s high performance workstations feature industry-standard technology with a choice of screen configuration options including multiple or large format screens. We listen to your needs and make it a priority to understand them exactly so that our tailored solutions are a perfect fit. Support for outstanding NVIDIA Quadro graphics cards ensures that even the most advanced CAD/CAM programmes look amazing. We’ll help you choose the right peripherals such as plotters, graphics tablets and printers to maximise your student’s creativity across the curriculum.

Key benefits

- Tailored solutions
- Multimedia integration
- Print solution specialist
- High performance range
- Dedicated software team
- ISV accreditation

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Networking, Servers and Storage

With years of experience defining, installing, implementing and supporting Networking, Server and Storage Solutions our experts can help you find the perfect balance at every stage of your project.

The demands on ICT are far greater in Academies than in the traditional school environment but so are the potential rewards. Reliable, secure and comprehensive data management and storage facilities can enhance the learning experience and improve the way your school, staff and pupils use ICT. Infrastructure applications, services and access devices can help to offer greater flexibility in teaching methods and improve efficiency.

To achieve the most from ICT in your Academy it is vital to consider how best to take advantage of the many solutions available and how these can be deployed to fit within an overall ICT strategy. Viglen understands these pressures and our balanced end-to-end solutions, cater not only to your ICT needs today but also allow plenty of room for growth.

Viglen’s purpose built, high-tech manufacturing plant in Hertfordshire gives us a real advantage when it comes to customising the workstations, servers, storage, and infrastructure required for a forward thinking Academy. Many have already benefitted from our expert Data centre and infrastructure design team, leveraging direct relationships with key suppliers such as Hitachi Data Systems, HP, Microsoft, VMWare and Intel.

Our focus is for seamless integration across platforms and legacy equipment, presenting the customer with a simple and unified solution. Designed for simple management, easy maintenance and low power consumption, Academy LAN infrastructure from Viglen embodies security, resilience and takes into account the increasing number of varied mobile devices used today. Our structured cabling supports standard network functions along with network audio and media-rich data such as VoIP, TV/video streaming, CCTV and Access Control.

**Key benefits**

- UK based manufacturing and configuration plant
- Direct relationships with key suppliers
- Immense experience with schools networks
- Custom designed client devices
- End-to-end solutions

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**Bringing ICT systems together**

Our experts can help you to navigate the complex process of integrating your systems to realise the full potential of your Academy.

Being an Academy means having the freedom to realise your vision. There are many different systems to help you achieve your goals. Used correctly, these systems have a positive impact on staff and students allowing them to explore their full potential and fulfil personal objectives as well as those of the Academy as a whole.

A Virtual Learning Environment (VLE) accessed from outside the school network with scope for personalised learning encourages pupils to embrace education wherever they are. Management Information System (MIS) provide staff, students and parents with powerful tools to maximise their engagement. Tackle poor behaviour and attendance before it becomes an issue and provide instant recognition and reward. Effective deployment of technology through computerised administration, cashless catering and library systems reduce time-consuming administrative tasks and assists decision making.

Viglen understands that seamless integration of disparate systems is vital for a truly successful Academy. We will specify, manage, and integrate solutions from the best suppliers in the market including our award winning Classlink™ school management suite alongside legacy network software where necessary. Our experienced project team ensures interoperability allowing unified access through a common interface with single log-in for all services.

Our team of Microsoft SharePoint specialists work with the Software Development Department to deliver a completely integrated platform. Viglen solutions have a web-centric focus with many applications and resources being delivered through a web browser, enabling improved access to resources via personal devices and simple external access for users and parents.

We have extensive experience in data migration, software packaging and deployment and our project managers will schedule it, taking your commitments into account. Our CPD consultants will tailor a CPD strategy to help you get the most out of the new environment and a team of dedicated Viglen staff will always be on hand to assist.

### Key benefits

- Experts in Change Management
- Experienced at integration of legacy systems
- Data migration specialists
- SIF compliant solutions
- Reduce cost of change

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Professional Services

Reach out for a life-line from Viglen to help you keep your ICT up to date and working perfectly every day.

Additional pressures and responsibilities can make it increasingly difficult for growing Academies to keep their ICT up to date and support their day to day operations. In-house administrative staff need to be able to focus on initiatives and projects that have the highest impact on your Academy and its progress.

Viglen recognise that every Academy has its own unique requirement. Whatever your need, our professional, managed services can be tailored to compliment your own ICT strategy. It could be as simple as the deployment of a few PCs or as complex as the design, implementation, management and support of your Academy’s entire ICT resource. In partnership we can overcome any challenges that you may face.

Highly skilled, fully certified engineers form the basis of on-site services, supplemented by our telephone and remote support. We offer scheduled engineering days to carry out routine maintenance, network health summaries to provide a snapshot of the condition of your network as well as emergency response for critical issues that threaten to disrupt the efficient running of your Academy. Our engineers are trained in multiple vendors’ technologies and with our nationwide network of support staff, you can be sure of a quick response to minimise downtime.

Viglen’s services are flexible, fast and professional. Using industry-proven, best practice models and products, we are committed to quality and continuity of ICT support for your Academy.

Key benefits

- Expert advice
- Flexible options
- Multivendor skills
- Management Services
- Professional Services
- SharePoint solutions

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Applications to make ICT work for you
Support the fundamental objectives of learning and encourage new and exciting ways to discover the curriculum with software.

Technology plays an increasing part in education today and Academies are at the forefront of progress. Integration of computers into the classroom and the availability of mobile solutions has changed the way we teach and learn but computers alone are not enough. Just as a book with no words has limited use, a PC without software represents unfulfilled potential. Appropriate software can be used to support the fundamental objectives of education and encourage new and exciting ways to discover the curriculum.

High quality cross-curricular learning tools are available to enhance every lesson. Subject specific programmes can boost attainment and understanding, and support is available to assist administration and management of your Academy. By encouraging interaction and collaboration to help your students find their voice and their own way of learning, software is truly transforming education. With capabilities for research, reporting and assessment, software can be incorporated into every step of the lesson including group work, practical tasks and homework.

Viglen are software experts who understand the unique licensing requirements of education. Academies need to offer the latest, state-of-the-art software and we can identify the products and applications that best meet your requirements. Partnerships with leading publishers such as Microsoft, Adobe, 4Learning, Chartwell-Yorke and Apple allow us to provide a comprehensive range of relevant software.

We aim to provide uncompromising levels of quality and service but what really makes us different is our proactive and innovative approach in the use of technology allowing you to drive down both the cost of your software and the reliance on your support staff freeing them to do other things.

Key benefits

- Access to extensive range of software
- Dedicated software licensing specialists
- Software management support
- Top Microsoft EdLAR Training
- Green delivery options
- Student/Staff portal for personal software purchases

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Flexible options for maximising your procurement

Given the process in which funding is received by Academies, payment over time options provide a cost-effective method of procuring technology assets.

Spreading the entire cost of your Academy’s ICT solution over its useful life prevents valuable cash resources being tied up. Viglen Finance solutions can give you access to the technology you need, when you need it.

Our payment over time options have been specifically designed to help you overcome the financial constraints currently faced by the whole of the education sector. By easing your budgetary pressures, our solutions will enable you to keep your systems up-to-date and even allow you to incorporate future upgrades and network expansion plans.

Viglen Finance provides a totally flexible solution to help Academies acquire the best technology. Regular fixed payments, which can be scheduled to suit your specific requirements, cover the total cost of the project to include hardware, software, installation, maintenance, support services and training.

We also offer the pioneering student laptop scheme: Learn Anywhere, which allows Academies to provide students with individual laptops by way of a parental contribution plan.

Viglen Finance provides innovative finance options that release funds back into your budget allowing you to acquire the technology you need, by spreading the cost of your solution over its useful life.

Key benefits

- **Better use of your budgets.** The use of revenue budgets will help you maximise your IT spend, allowing you to get more for your money.

- **The opportunity to re-fresh your ICT roadmap.** Avoid falling behind the advances in technology by upgrading your facility to include new technology, often without increasing your rentals.

- **A total solution.** Viglen Finance can cover the costs of installation, services, support, training, insurance and software. So instead of piecing together an IT package from different sources, everything can be taken care of at once.

- **Existing sources of finance remain untouched.** Viglen Finance will not affect your other funding lines so you have the freedom to keep these allocated to their projects.

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**Green Computing**

Keep the impact of ICT on the environment to a minimum without increasing its impact on your budget.

Sustainability is about more than environmental policies; it’s about educating pupils and staff to be aware of their impact on the environment. Academies must foster an environmentally friendly culture which encourages students to think more responsibly and adopt a better attitude to green issues. Behaving sustainably can become second nature so Academies need to lead by example, operating in a more sustainable way and ensuring sustainable development is embedded into whole school management practices.

Increased demand for ICT doesn’t have to mean a reduction in sustainability. Viglen is committed to eco-responsibility. We offer products and services which allow you to make a difference to the impact of your investment and usage of ICT on the environment. We can calculate the total cost of ownership of your existing estate, identify where legacy hardware can be reused, and source the latest technologies in line with your budget and goals.

Technological advances have increased availability of green choices and Viglen’s Enviroquiet range of products take advantage of the latest energy-saving developments to reduce power consumption without compromising performance. We can help you to reduce power consumption through power management options and monitoring tools. Bulk packaging allows us to deploy multiple computers in one box and smaller consignments are delivered in our reusable blue boxes. In addition, our WEEE-style recycling service allows you to recycle old hardware even if it’s from another manufacturer to further reduce impact on landfill.

Viglen can advise and support you to help achieve your sustainable objectives. By aligning sustainable solutions to the needs of your Academy we can help reduce waste, extend the life of your ICT investment, encourage responsible purchasing and lower total cost of ownership.

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**Key benefits**

- Committed to eco-responsibility
- Enviroquiet products
- Power management tools
- WEEE Recycling
- Bulk packaging
- Reusable blue boxes
- Reduce total cost of ownership

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ULT – Barnsley Academy

The Challenge
Barnsley Academy has a capacity for 1000 students and approximately 200 staff. Catering for children between the ages of 11 – 18 with a flourishing 6th form, the Academy has chosen a specialism in Science with Business and Enterprise to reflect local interests, job opportunities and the skills and talents required in the area.

When it first opened the Academy fulfilled an immediate and urgent local requirement but the original building and its ICT provision were not well suited to achieving the goals of the new Academy. The facilities were not fit for a modern, progressive curriculum that would engage learners, teachers and parents alike. A lack of development and funding resulted in an inconsistent and problem prone network.

The Academy needed a solution that would inspire the learners and staff and enable the Academy to play its full role at the heart of the community, offering extra-curricular activities not only to pupils but also to adult learners. Taking all of these issues into account it was decided that the best solution would be a brand new building with state-of-art ICT at its core.

The Solution
Viglen’s Academy team designed an ICT solution to reflect the Academy’s specialism, as well as providing tools to enhance high-quality teaching and learning across the curriculum. Including nearly 600 Viglen PCs and Laptops, dedicated ICT suites and learning resource areas, the solution also featured a wireless network which even allows connectivity from the sports field. A Local Area Network (LAN) ensured safe, secure and timely access to e-mail, e-learning resources, printing, the Internet and educational software.

Other facilities include a Video Conferencing system, computerised library and administration systems as well as specialised equipment used for science data logging. Every classroom has an interactive whiteboard (IWB) to further enhance the pupil learning experience. Another key network feature was the integration of a VoIP Call Management solution.

The Results
The combination of a new building and all new state-of-the art ICT has had a dramatic impact at Barnsley. The school roll continues to grow, the general standard of behaviour has improved and truancy is down. Staff now have peace of mind and they have been re-inspired to confidently deliver the curriculum using ICT.

Evening classes are also being offered by the Academy for the first time. Again these are designed to reflect local business needs. Now more than ever this is seen as an important strategy to help the members of local community, equipping them with the skills and tools they need now and for the future.

“The final solution is above and beyond what we expected, the students have ample access to PCs which is a vast improvement on the old school, the network is stable and overall from a teaching point of view things have moved on considerably, when assessing the impact of ICT across the curriculum. I’m really excited about the future of ICT at Barnsley.” comments Janine Stevens, ICT Systems Manager, Barnsley Academy.

Bordan Tkachuk, CEO, Viglen Ltd. concludes “Viglen share the ULT’s aspiration of excellence in everything we do. We are delighted to once again be providing the pupils, staff and local community of a ULT Academy with a state-of-the-art ICT solution. This continued partnership further enhances Viglen’s strength and presence in the Schools and Academies market place and demonstrates our commitment to keep providing solutions that produce the desired outcomes for our customers.”

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Janine Stevens, ICT Systems Manager, Barnsley Academy.

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ULT - Paddington Academy

The Challenge
Paddington Academy is an exciting and innovative learning facility in West London with students from Year Seven through to Sixth Form. An innovative structure enhances effective learning and uses ICT to facilitate and support the curriculum. Finding an effective supplier that could implement and maintain integral ICT facilities was crucial.

Viglen, a specialist in the provision of high-end integrated IT solutions to education, was identified as the best partner to provide an instant solution. Taking great pride in presenting superior project management they also offer the best combination of costs and quality to meet end-user requirements. Viglen has built a reputation for innovation, technical expertise and responsive partnership, however their role as a total project partner was truly proven with the Paddington Academy’s site relocation.

The Solution
Viglen held a number of focus groups with various departments within the academy and also with stakeholders to assess expectations of the staff, student and non-teaching staff of new ICT requirements and to ensure that these expectations could be met. Entering into a dialogue with the actual end-users of the ICT facilities ensures that Viglen is fully aware of the understandable issues a customer faces when harnessing the full benefits of new technologies.

Resources were comprehensively deployed in the existing building before the ICT infrastructure was transferred to a brand new site. In addition, a full wireless network was installed throughout the academy. Once again, Viglen’s approach was practical and involved at every stage ensuring the implementation ran smoothly. Bespoke training was given to end-users with a variety of tools and content.

The Result
Viglen was recognised for delivering the best value solution for the academy producing a very high standard in short timescales with minimum disruption. Paddington Academy is an example of Viglen’s strength of not only project management, but their ability to adapt computer networks successfully to a changing environment.

“Viglen share’s the same desire for excellence as Paddington Academy and ULT, and are delighted to provide the staff, students and community with this state-of-the-art technology. It is a real endorsement of Viglen’s strength and presence in the education market and we continue to engage with new clients in higher education to provide them with solutions that respond to their needs.” Bordan Tkachuk, CEO, Viglen

“...Not only did they have extensive knowledge of the ICT technology but they were able to apply it at Paddington Academy to deliver the best possible solution for the students.” Ian Teague, Paddington Academy IT Director, ULT

ULT was established in 2002 and is the largest single sponsor of academies in the UK with 17 academies currently open and more set to open in the future. Viglen, the Academy ICT specialist, have worked with ULT to design, project-manage and implement solutions at several Academies including Barnsley Academy and Paddington Academy.

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