



## SGS BERKELEY GREEN UTC

### STAFF INFORMATION PACK

Dear Colleague,

Thank you for your interest in applying for a post at SGS Berkeley Green University Technical College. This is an exciting opportunity to work in a new multi-million pound, state-of-the-art building with key industry partner organisations and our education partners, SGS College and the University of Gloucestershire.

As the first University Technical College (UTC) in Gloucestershire, Berkeley Green will combine outstanding academic and technical education. This will make us a centre of excellence for Engineering, Digital Technology and Cyber Security.

UTCs are a new educational route for 14–19 year-olds and provide students with the best opportunity for a fulfilling career in STEM subjects. As a UTC, we teach students academic and technical subjects in a centre that mirrors professional expectations – we are educating young people for the jobs of tomorrow, often for jobs which have yet to be imagined.

We are not only helping to change the lives of young people across Gloucestershire, but we are also working with our employer partners to shape the workforce and leaders of tomorrow by preparing them for industry, apprenticeships and university. We are developing the experience and skills needed to start their exciting career.

SGS Berkeley Green UTC opens in September 2017 with an initial intake of between 100 – 140 students at year 10 and 12, building to a maximum capacity of 660 in five years' time.

Our educational vision can only be realised with an outstanding group of staff: professionals who have a passion for their subject and the ability to link learning to the real world; a proven level of excellence in the classroom; and exceptional drive and interpersonal skills

If you are committed to our vision, and flexible and innovative in your approach, then this is your opportunity to make your mark.

Yours faithfully,



**Paul Ramage**

— *Principal at SGS Berkeley  
Green UTC*



## What is a UTC

A UTC provides specialist high quality vocational and academic education for learners aged 14-19 with a strong interest in Advanced Manufacturing, Digital Technologies and Cyber Security. SGS Berkeley Green UTC is one of sixty planned, or already open, University Technical Colleges nationally.



As with all UTCs, SGS Berkeley Green UTC's curriculum has been developed in partnership with employers, who have taken an active role in the development of the UTC. Learners will follow the national curriculum enabling them to achieve the same number of GCSEs that they would in a school, but because of the longer school days they also have an additional forty percent of their time focused on undertaking specialist vocational education and projects led by employers in the areas of Advanced Manufacturing, Cyber Security and Digital Technologies. This helps enable learners at a UTC to become more attractive to employers as they have practical, relevant skills as well as having the same excellent education and qualifications that they would get within a secondary school or sixth form.

The UTC is located at the Gloucestershire Science and Technology Park at Berkeley Green Gloucestershire, alongside the SGS Engineering Skills Centre and The University of Gloucestershire's Cyber Security Centre. Amongst our key employer partners are Versarien, GE Aviation, Delphi, Omega-OES, Babcock MSS and AllCooper. The SGS Berkeley Green UTC is part of the SGS Multi Academy Trust.

For more information on UTCs in general, please refer to the [National UTC Website](#) run by The Baker Dearing Trust.

## SGS Academy Trust

[SGS Academy Trust](#) (SGSAT) is a multi-academy trust, and is sponsored by one of the largest Further Education providers in the South West, South Gloucestershire and Stroud College. Berkeley Green UTC is part of SGSAT.

The SGSAT was formed in January 2015 to sponsor its first school – The Forest High School, an 11-16 mainstream school in Cinderford, Gloucestershire. The Trust is also planning to open a Specialist Free School called SGS Pegasus in September 2017 for 4-18 year olds who are on the Autistic Spectrum.





## Vision and Values







***Our Vision is to provide a unique, world-class education and training experience that will meet the needs of employers and provide highly relevant technical education, strong academic standards and life skills that will inspire students and raise aspiration levels, enabling all of our young people to enter an apprenticeship or higher apprenticeship, further or higher education or employment.***

SGS Berkeley Green UTC will offer excellence in a blend of academic, applied general and technical education, and to become another outstanding education provider to the stable of provision in Gloucestershire and South Gloucestershire as a whole.

Our vision for the UTC is that it will primarily provide practice-based education for all students, driven by employer requirements, leading to their progressing not only to training, but also to university, in our chosen specialisms of Digital Technologies, Cyber Security and Advanced Manufacturing. It sits alongside an outstanding general education including English, Mathematics and Science with the option to study MFL or Humanities subjects.

A core element of the SGS Berkeley Green UTC's vision is that of partnership. The partnering approach is central to the vision of success for the UTC, such as the one with SGS College, where the UTC will work closely with the adjacent SGS College's GREEN Skills Centre, through a service level agreement, sharing student services and staff facilities, and providing flexible pathways of progression for all students.

### Our Core Values can be expressed as

-  The pursuit of technical and academic excellence
-  The development of a 'can-do attitude'
-  A passion for quality
-  Collaboration through communication
-  Taking responsibility for our own actions
-  Understanding our place in the world



### To achieve our Core Values we will

- 🌱 Develop a partnering approach to curriculum and pastoral delivery, effectively using our high calibre sponsors and partners to set high aspirations for our students, and to support our mentoring and coaching approach to learning.
- 🌱 Place the student at the heart of all that SGS Berkeley Green UTC does. To value our students, recognising that they bring with them skills, knowledge and understanding that contribute to learning at SGS Berkeley Green UTC.
- 🌱 Ensure that all students are individually supported to achieve their very best through a robust personalised learning approach, supported by personal and academic tutoring.
- 🌱 Create an overarching framework of work-ready skills education, including the development of students' strong literacy and numeracy skills, as well as creativity, determination, risk taking, critical thinking, teamwork and problem solving, that will build their confidence, resilience and personal qualities so that they are able to become self-organised and motivated, able to make the most of their curriculum opportunities.
- 🌱 Build a strong reputation for excellence amongst parents, our feeder and partner schools, employers seeking to recruit, and universities.
- 🌱 To provide our students with real world and work-focused learning approaches to deliver business-ready, resilient and focused young people ready to continue working and learning independently in modern Britain and further afield.

## Our Staff

SGS Berkeley Green UTC recognises that staff are key to our success. We look to recruit, retain and develop people who are professional and committed to our ambitions for our students.

We expect our colleagues to:

- 🌱 Place students at the heart of all that we do;
- 🌱 Come to work every day to learn as much as to teach;
- 🌱 Demonstrate boundless enthusiasm, optimism and energy;



## Curriculum

Our curriculum at KS4 will tread the careful balance between satisfying the national accountability agenda and providing our students with the best academic and technical education.

**Curriculum 14 to 16** - In addition to a firm foundation in Maths, English and Science, students will chose 2 courses from their specialism (either Engineering or Digital Technologies) plus two additional options. Overall, students will spend 40% of their time on technical studies. Not all of this time is practical activity, however, as technical education includes theoretical aspects of the specialism. At least 30% of a student's time will be engaged in practical education.

Core GCSEs	Specialism - <i>Choose one</i>	Additional Options 1 - <i>Choose one from below</i>	Additional Options 2 - <i>Choose one from below</i>	Other Core Subjects
English Language	Engineering 2 x 1 year Qualifications each worth a GCSE	Computer Science	Computer Science	Citizenship/ Employability
English Literature			MFL (French or Spanish) *	
Double Science ( <i>can be converted to Biology, Chemistry and Physics by selecting triple Science in options column</i> )	Digital Technologies 2 x 1 year Qualifications each worth a GCSE	MFL (French or Spanish) *	Product design	Sport
			Triple Science	Triple Science
			Geography *	Geography *
	At the end of year 1 it is possible to switch specialisms	Geography	Sport *	Enrichment

**UTC curriculum 16 – 18** - A number of routes are available for students at post-16. These courses lead not only to the technical qualification, but also to recognised professional qualifications, academic qualifications such as A Level courses or other Level 3 qualifications.





<b>Pathway A</b>	3 or 4 A levels chosen from: Mathematics; Further Mathematics: Physics; Chemistry; Graphic Design; Resistant Materials, Psychology; Computer Science
<b>Pathway B</b>	Level 3 Extended Diploma in either Engineering or Digital Technologies
<b>Pathway C</b>	BTEC and A levels e.g. BTEC Extended Certificate plus 1 A level or Diploma and 2 A levels
<b>Optional additions for Tech Bacc</b>	Core Maths EPQ each worth 0.5 A level
<b>Generic Subjects Covered in enrichment/project/self directed study time</b>	Enterprise/management qualification or Sector-specific qualification e.g. Cisco, Microsoft Technical Associate, <u>Solidworks</u> or Adobe Certificated Personal development Sport



## Staffing Structure

In year one we will be a small flexible team of around 10 teaching colleagues, with a senior leadership team of three, all of whom will have a teaching load. As we grow this will give excellent opportunities for staff to progress within the UTC, and specialise along agreed professional development routes. We will be supporting staff to develop themselves and their industry knowledge in association with our industry and university partners.

After three years our staffing structure will likely encompass:

-  Principal
-  3 x Assistant Principals
-  5 x Heads of faculty (Communication, Digital, Engineering, Maths, Science)
-  3 x Heads of company (Vertically organised pastoral structure)

This is an excellent opportunity to get in at the beginning of an exciting new provision, and help shape the future direction of the UTC.

## Enrichment

Enrichment will be an essential part of our delivery and will occur during the working day. The aim is to engage students with the everyday elements of IT, Engineering, Sport and Music in a fun yet challenging way. If you have a related hobby or interest then this would be an ideal opportunity to enthuse others and share your expertise. It is expected that all colleagues will participate in enrichment.

## College day / timetable

The UTC teaching day will be based on a student day of 9am to 4.20pm, with 6 hours of learning time per day. The timetable will be developed to give substantial periods of contact, at appropriate times, to enable a thorough investigation of topics.



## So what is life at a UTC like?

**Life at a University Technical College is very similar to school in many ways in terms of the general curriculum taught by qualified and experienced teachers, but it is also excitingly different to school in that it has much more in common with the workplace and a professional employment setting.**

We operate a slightly longer day, and teaching and learning are conducted in a high quality environment that really helps you to progress into the world of work, or into higher education, for degree level study when you leave the UTC. Students will spend part of their time learning about the specialisms of Engineering, Manufacturing, Cyber Security and Digital Technologies, through skills workshops, lectures from employers, visits to employers, immersion in industry placements (work experience), or projects set by employers. Time will be spent learning and experiencing work within these two priority sectors for the area. Students wear business dress instead of school uniforms, attend project meetings and have significant interaction with employers. They are encouraged to embrace electronic learning and communication (using mobile phones and other technology as a learning aid).

As well as our academic and vocational programmes, the students will experience and benefit from an extensive programme of sports, citizenship, and employability skills.

## THAT ADDED EXTRA:

Due to SGS Berkeley Green UTC's focused curriculum on Engineering, Advanced Manufacturing, Cyber Security and Digital Technologies, high levels of investment have been made in specialist equipment to support these curriculum areas that will deliver the skills that employers are desperate to fill. Our extensive investment includes equipment more often found in an employer's premises than in schools, and more than a million pounds worth of specialist equipment will be available for students when they join the UTC in September 2017.



Berkeley Green  
**sgs**  
 South Gloucestershire and Stroud College



**DELPHI**  
 Innovation for the Real World



**Versarien**  
 PLC

**OMEGA**  
 DESIGN | MANUFACTURE | SERVICE

**allcooper**

**Babcock MSS\***  
LOCAL QUALITY. EXPERTS.

