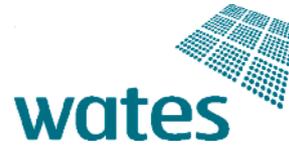


GASP Motor Project Programme Prospectus



**Hands on learning
that helps drive change**



Introduction

Who GASP Motor Project is an independent alternative learning provider that delivers accredited AQA and Laser courses in basic motor mechanics and practical engineering skills, and contributes to students' positive personal development. Where appropriate, we also help to facilitate students' onward progression into education, training and employment.

What Our Daytime, After School and Evening programmes are run by instructors experienced in engineering – all have enhanced DBS clearance. The sessions are tailored to meet the needs of a wide range of young people, who live in Surrey and the surrounding areas. Most students are in the 14 to 19 years age range. Each programme is restricted to between four and six young people, to ensure targeted learning.

The Daytime and After School programmes provide an alternative learning facility for those who are under-achieving, disaffected and 'at risk'; vulnerable students with special educational needs (SENs); and those who respond best to vocational learning. The GASP Industry-Linked programme, run with schools and businesses, gives students the opportunity to develop the skills that will help their progression pathway into employment – and get experience of the world of work at first hand. Our Evening sessions are invariably for those in mainstream education, supplementing the students' scholastic curriculum, or as a diversionary activity.

Each year, approaching 200 young people benefit from 400+ sessions – run as 6, 10 or 12 week programmes. AQA accreditations and Laser/OCN qualifications are available to them all, subject to their aptitude. The programmes are also structured to develop their interpersonal skills and behaviours, and improvements are measured and recorded. All students who successfully complete a programme receive a GASP certificate.

Where The sessions are delivered in a modern, purpose built workshop at Albury, between Guildford and Dorking; or from the customised GASP mobile provision, which travels across Surrey and into the adjoining areas.

With In developing our operation and reputation as a registered charity, GASP Motor Project has forged valuable alliances with Surrey County Council, its schools and Youth Support Service; special schools; the Waverley Federation; TFN Farnham & Ash; and a wide range of organisations and charities working with young people across the area.

We are supported by significant sponsors and funders including McLaren, ExxonMobil, Stanhope-Seta, Peter Harrison Foundation, Give It Away, Wates Foundation, Community Foundation for Surrey, Henry Smith Charity, Betty Riseley Trust, Surrey Police & Crime Commissioner's Community Safety Fund, Kier Group, High Sheriff Youth Awards scheme, Allianz, Shere Hill Climb and Toyota GB.

The GASP approach to learning

We run customised programmes using motor mechanics as a mechanism for re-engaging young people with the value of learning.

In addition to the core technical syllabus (page 3), there is a strong focus on the interpersonal skills and behaviours that can positively impact on a student's personal development.

Utilising real time diagnosis, the GASP courses deliver structured learning in a way that focuses on the individual needs and capabilities of each student. This ensures that, at all times, the student is engaged within our alternative learning environment.

Using entry and exit questionnaires and Social Impact Tracker software, our experienced team works with schools and referring agencies to quantify improvements in students' behaviours and attitudes during the GASP 6, 10 or 12 week programmes (page 4). In particular, we develop and measure these interpersonal skills and behaviours:

Important behaviours

- Confidence
- Enthusiasm
- Positive outlook
- Social skills
- Trust
- Understanding
- Respect
- Encouragement

Interpersonal skills

- Taking initiative and responsibility
- Developing a positive attitude
- Modifying antisocial behaviours
- Learning to resolve conflict
- Building strong relationships

Key skills

- Communication
- Teamwork
- Leadership
- Problem solving
- Planning and negotiation

Motivation

- Goal setting
- Accepting new challenges
- Involvement
- Energy

Rewarding top students

In each academic year, GASP seeks to reward top students for their hard work and enthusiasm whilst studying on our programmes. For the third consecutive year, McLaren has agreed to host our Awards Presentation Event 2016 in October at its Woking Technology Centre, a fantastic endorsement of our charity's work by this global giant.

Students attending Daytime, After School, Industry-linked and Evening programmes are all considered for these Awards, which recognise their 'life skills' development as well as motor engineering skills and progression into the trade. There is also a Group Achievement Award and GASP Bursaries for suitable candidates. Each Award winner receives a certificate and a tool kit and enjoys a tour of the McLaren Technology Centre with an invited guest and member of staff. Award winners in 2014 and 2015 all declared it 'the experience of a lifetime'.

The core technical syllabus

Young people attending the GASP Motor Project can study for either/both AQA unit awards and Laser (OCN) accreditations, depending on a student's capability and the length of the programme. All students who successfully complete a programme receive a GASP certificate to confirm their attendance and progress on a course.

The courses are personalised to meet an individual student's needs, and designed with minimum literary requirements for students, where appropriate. We mix and match the technical content to ensure the optimum learning experience for each young person. Underpinning this approach there are five core areas on the GASP syllabus that can be covered, depending on aptitude:

Use and identification of motor vehicle tools

- Identification of a range of commonly used hand and power tools
- Correct and safe use of motor vehicle hand tools and workshop equipment
- Use of specialist tools i.e. torque wrenches and socket sets
- Ensuring tools are fit for purpose
- Selection of the appropriate tools for the required task

Understanding how machines work

- Dismantling and reassembling of engines and associate components
- An understanding of how 2 and 4 stroke engines operate

Health and Safety in the workplace

- Understanding all uses and importance of protective work clothing
- Identification and reporting of workplace hazards
- Recognition of hazardous substances
- Required procedures to deal with fire and evacuation incidents

Basic vehicle maintenance

- Knowledge of maintenance checks of all fluid levels
- Changing wheels, checking tyre treads and tyre pressures
- Checking and changing brake pads, discs and shoes
- Changing oil and filters
- Minor body repairs and welding

Assembling a petrol driven go-kart

- Stripping down to basic frame
- Rebuilding by fitting and lubricating the assembly
- Learning how to tune the engine

Length of programmes

As a stand-alone alternative learning provider, GASP Motor Project works flexibly with user groups. Our aim is to tailor programmes that have maximum positive impact on the students who attend, and to work within budgets/funding.

We structure sessions around the school terms, with timings fixed to suit the user group where possible. GASP can also contract with referring groups to deliver holiday courses.

Daytime programmes – workshop or mobile based

- 6 week programme (minimum) = 6 x 1 day a week. Students can hope to cover 2 core areas on the GASP syllabus, subject to capability.
- 10 week programme = 10 x 1 day a week. Students can hope to cover 3 core areas on the GASP syllabus and AQA awards, subject to capability.
- 12 week programme (in depth) = 12 x 1 day a week. Students can hope to cover 4 core areas on the GASP syllabus and AQA/Laser awards, subject to capability.
- Specific 6 week refresher programme designed to broaden the mechanics skills of students who are considering either an apprenticeship or a college placement in motor mechanics, to help them consider their options in Years 10 and 11.

Industry-linked programmes – workshop or mobile based

- Partnering with commercial businesses, our industry-linked programme alternates sessions delivered by the GASP workshop team with sessions that introduce students to a working environment.
- 10/12 week programme (minimum) = 10/12 x 1 day a week. Students can hope to cover core areas on the GASP syllabus as well as gaining valuable work experience with the commercial business.



After School programme – mobile based

- Run at the end of the school day, this programme is designed to help young people to re-engage with learning and is often regarded as a diversionary activity.
- 6 week programme (minimum) = 6 x 2 hours a week. Students can hope to cover 2 core areas on the GASP syllabus, subject to capability.

Evening programme – workshop based

- 2 hour session run throughout the academic year for students either supplementing their school curriculum studies or those wanting a diversionary activity and to know more about mechanics and vehicles.
- Monday, Wednesday and Thursday evenings during term time from 7.00 pm to 9.00 pm.
- AQA accreditation is available to every student attending evening sessions.
- At our evening sessions, we welcome young people who are either new to mechanics or who wish to broaden their skills. The course gives an opportunity to learn the basics of how a vehicle operates and, for some, provides a first chance to start working on engines. Evening students are taught how to maintain and repair vehicles. At GASP they can also discover how to construct vehicles from scratch and to explore new technologies, such as building Greenpower electric car kits.

Driving programme

- Half day session at Dunsfold Park aerodrome, learning to drive a go-kart on the track.
- This session is offered to those students who successfully complete a GASP Daytime or Evening programme; ie it runs as the final session in a 6, 10 or 12 week programme.
- A full risk assessment of the individual student is conducted to ensure suitability for the driving experience. GASP reserves the right not to offer this opportunity, where the student's aptitude or behaviours are in question.
- See also page 9.

Cost

Daytime and After School programmes

We charge a standard fee of £275 per session (Daytime and After School programmes), not an hourly rate. This is because our sessional costs are fixed and the duration of a session varies dependent on the needs of user groups. The fee covers a session lasting up to four hours in duration and applies whether that session is delivered in a GASP workshop, or using our mobile unit.

Typical costs for programmes for the academic year:

6 week programme = £1,650
10 week programme = £2,750
12 week programme = £3,300

Additional costs/commitments for organisations include:

- Accreditation costs: currently circa £20 per student.
- Travel to and from the GASP workshop at Albury.
- Organisations need to provide a member of staff to oversee young people during a session.

Evening programme

We currently make a nominal charge of £5 per session to young people attending the evening programme.

This is payable either on the night, or on a termly basis in advance.

Young people are required to make their own way to and from the GASP Workshop at Albury.

Service users must agree to the GASP programme terms and conditions, which will be provided when a booking request is made.



“GASP is outstanding – it stands head and shoulders above the rest in the way this charity is always looking at ways to improve, to make the programmes better and to develop new partnerships and new opportunities.”

David McNulty, CEO, Surrey County Council

“GASP staff showed great understanding and empathy and were very encouraging to our students. They communicated easily and effectively and were patient without appearing condescending, and never overly compensated for any shortcomings they may have detected. They operated with a lovely balance between guiding the students and yet allowing them to work through the project, even if it meant making mistakes or working at a slower pace.”

Instructor, The Abbey special school at Farnham

“We recognise the fantastic work GASP does with those who are disadvantaged or disaffected, re-engaging them with learning and providing transferrable skills to help support them into adult life.”

The Police and Crime Commissioner for Surrey

“The affect your amazing course has had on our young men has been incredibly positive. They are always keen to come to GASP. Two students gave a 10-minute presentation on the GASP course to our Governors. The Head Teacher had never seen them so animated and enthusiastic about anything. One said he would like to look at a career in mechanics now.”

Matthew McCarthy, The Park School, Woking

“This experience has been a fantastic opportunity for our son to show his real potential outside of the classroom environment, and what a wonderful Awards evening it was at McLaren. My wife and I are so very proud of him, so a massive ‘thank you’ from us both goes to the GASP team who do such a wonderful job.”

Award winner’s parents

“GASP improves our students’ concentration, encourages teamwork and, above all, increases their self esteem when they find they can achieve things they never thought possible.”

Sally Rafferty, Teacher, North West Surrey Short Stay School

“I am writing to share with you the positive impact that GASP had had on two of our more challenging students. There has been a dramatic effect on their behaviour. Both are from travelling families and there were concerns that the boys would be removed from education, prior to their 10-week course at GASP. However this is no longer the case. Prior to them starting they were the most difficult boys in their year group.”

Head of Year 9, Glebelands School, Cranleigh

“It was a delight to see how proud the students were to receive their Awards. It is often the students who participate in GASP programmes that get overlooked at other prize giving events, so I think being recognised as achieving at such a fantastic venue as McLaren will stay with them for a long time. The GASP team does a fantastic job of motivating these young people and providing them with improved chances in life, so well done.”

Elaine Felton from TFN (The 14-19 Network), Farnham and Ash

Programme delivery

- Courses delivered in a 20,000 cubic foot professional motor workshop, specifically built for GASP at Albury, near Guildford.
- The GASP Motor Workshop offers a hydraulic ramp, dedicated welding area, compressors, a tyre fitting machine and a wide range of power tools.
- All students are provided with professional GASP workshop overalls and protective hard-toed work boots.
- Safety equipment is on site and the workshop is inspected regularly to ensure it conforms to fire, health and safety regulations.
- These risk assessments are continually updated and approved annually by Surrey County Council.
- Workshop instructors have enhanced DBS clearance and first aid training. A range of Safeguarding policies are in place.
- Adequate space for parking outside the GASP workshop.
- As part of our industry-linked programme, GASP can also offer students the opportunity to participate in sessions delivered from a commercial motor workshop.
- GASP mobile unit also delivers programmes at client groups' sites: a bold yellow Ford Transit Jumbo van, sign-written with the GASP logo.
- The mobile unit is equipped with GASP overalls, work boots, tools, safety equipment, and a suitable protective floor covering for the premises used.
- The mobile unit requires a convenient parking space, approximately 25 feet (7.6m) long with access to the workspace to be used. In summer, GASP programmes can be delivered in a covered outdoor area if necessary. In winter, the GASP team needs direct access through double doors into a room with a working area at least 20 x 20 feet (6m x 6m).

Measurement and accreditation

- Tailored learning based on real time diagnosis of the student's capability.
- Designed with minimum literacy requirement from students, as appropriate.
- Learning material specifically designed using pictures and visual aids.
- All attainments evidenced by experienced instructors in engineering.
- Entry and exit questionnaires deployed to measure and monitor the development of students' interpersonal skills and behaviour.
- We input key data into Social Impact Tracker software to record and monitor each student's aptitude and progress. This helps us to measure the impact of the GASP programmes on those who take part.
- Registered as an AQA Unit Award Delivery Centre.
- AQA accreditation and OCN qualification available, subject to aptitude.

Facilitating students' progression pathway

Workplace experience

In addition to the specific skills training and personal development that our charity delivers during sessions, GASP aims to help students understand the world of work. To further this goal, GASP has developed important alliances with a network of motor dealerships and leading companies.

In our industry-linked programme, piloted with a leading precision engineering company, young people have the opportunity to alternate their studies in the GASP workshop and in the workplace of our commercial business partners.

We can also provide students with a specific introduction to workplace practices. Where appropriate, as part of their GASP programme we are able to provide opportunities for students to take part in a workplace visit or work experience placement to third party companies/workshops.

Further education and training

The GASP syllabus is also structured to support the students' pathway to further education, training or employment. In particular, we work with referring groups to help turn young people who are NEET (Not in Education, Employment, or Training) into PETE (Participating in Education, Training and Employment).

We have developed links with further education colleges in Surrey in order to ensure that the GASP syllabus provides structured learning and accreditation that will encourage students to explore ongoing training.

Driving practice

Those students who successfully complete a GASP Daytime or Evening programme are offered the opportunity to drive some of the go-karts on which they have worked, wherever possible. This session takes place at the end of the 6, 10 or 12 week programme, courtesy of Dunsfold Park. It is regarded as a major goal to work towards, both by the young people taking part and by their teachers and key workers, who see it as an incentive for their students.

A prior risk assessment is conducted for each individual, to ensure that they have the necessary aptitude and attitude. The chance to drive on the Dunsfold aerodrome Track – close to where 'Top Gear' is filmed – builds confidence and enthusiasm, helps the young people to learn new skills and shows them that hard work earns rewards.

The GASP operational team

These are some of the key players who deliver the GASP programmes. We employ other instructors on a sessional basis for the Daytime and After School programmes, while a team of qualified volunteers helps to run the Evening programmes.

CEO: Andy Finch

Andy has helped to shape the future direction of GASP as the charity has grown. He joined the charity as its first CEO in October 2011 (he retires August 2016) and has spearheaded the drive to develop the programmes, to introduce accreditation and to increase the number of student referrals. Andy was formerly Head of Public Affairs at WH Smith and Regional Director of Business in the Community.

Workshop Manager: Barrie Birchmore

Barrie is an aeronautical engineer by training. He joined GASP as a volunteer in 2007 and in 2009 was appointed Workshop Manager. He displays patience and quiet enthusiasm, engaging with widely varying cohorts of young people and adapting his delivery to match their abilities and behavioural demands. He heads a team of sessional workers and volunteers, helping to plan and run the Daytime, After School and Evening sessions.

Session Leader: Howard James

Howard joined the GASP team in 2013. He leads the delivery of our Mobile and 'After School' courses, which take the GASP programmes across Surrey. Trained as a mechanical engineer at the MOD, with a specialism in precision instrument making, Howard has a background in development, and in field service engineering, in both the public and private sector. He is also a fully qualified British Gliding Association instructor, and teaches disabled people to fly.

Workshop instructor: Richard Brecke

Richard joined the Workshop team in 2009 and is one of our skilled mechanics tutors. His background is in mechanical engineering and metal work, with a particular specialism in welding. His ability to share his knowledge of the subject with the young people and his quietly assertive manner make him invaluable to GASP.

Evening instructor: Robert Cooke

Robert joined the GASP team in 2013 and we count ourselves fortunate that he currently leads our Wednesday evening programme. Robert is a Chartered Engineer and a member of the Institution of Engineering and Technology. He is currently responsible for leading a global team of 30 engineers in the development of a new image guided radiotherapy system. Previous experience includes Formula 1 race car development with the Brabham team and scientific research at the National Physical Laboratory.

Evening instructor: Chris Dymond

Chris is a stalwart of the GASP Evening sessions for young motor enthusiasts, mainly from local villages (where GASP had its roots). His background is in engineering where he has worked for Thomas Reuters, the BBC and Visnews. As well as supporting GASP, Chris is also a volunteer on the Bluebell Railway, where he is responsible for installing and maintaining signalling systems.

GASP timeline

- 2005** Founded to run evening sessions in basic motor engineering for young people in Gomshall, Albury, Shere and Peaslake – hence the acronym GASP.
- 2006** Purpose built workshop opened in Gomshall.
- 2009** GASP Motor Project registered as a charity.
- 2010** First daytime sessions delivered to 14 to 19 year olds.
- 2011** Programmes developed for the (then) Surrey Youth Justice Service.
Expansion of GASP – more sessions delivered to students in a wider area.
- 2012** Move to larger workshop – built to GASP specifications – at the Sand Pit, Albury.
Mobile unit acquired to take GASP courses across Surrey.
Official opening of workshop by Lord-Lieutenant of Surrey in September.
GASP appointed an AQA Unit Award Delivery Centre for accredited programmes.
- 2013** Royal visit by HRH The Duke of Kent to new GASP workshop in February.
New mobile unit for GASP, funded by Surrey PCC Community Safety Fund.
- 2014** (The then) Lord Chancellor, Chris Grayling, meets students attending GASP Motor Project.
McLaren supports GASP, hosting two events at its Technology Centre in Woking.
- 2015** GASP team and students showcase our work to HRH The Earl of Wessex.
10th Birthday Reception at Clandon Park, hosted by Surrey County Council.
Launch of industry-linked programme, piloted with Stanhope-Seta.
133 young people gain AQA accreditations at GASP between September 2014 and end of term July 2015.
Programme delivery expands into commercial garage unit at Woking.
Second GASP Awards Presentation Event for students hosted by McLaren.
- 2016** GASP industry-linked programme rolls out to Johnston Sweepers, Dorking.
Top students will visit McLaren in October for annual GASP Awards Event.

How to contact us

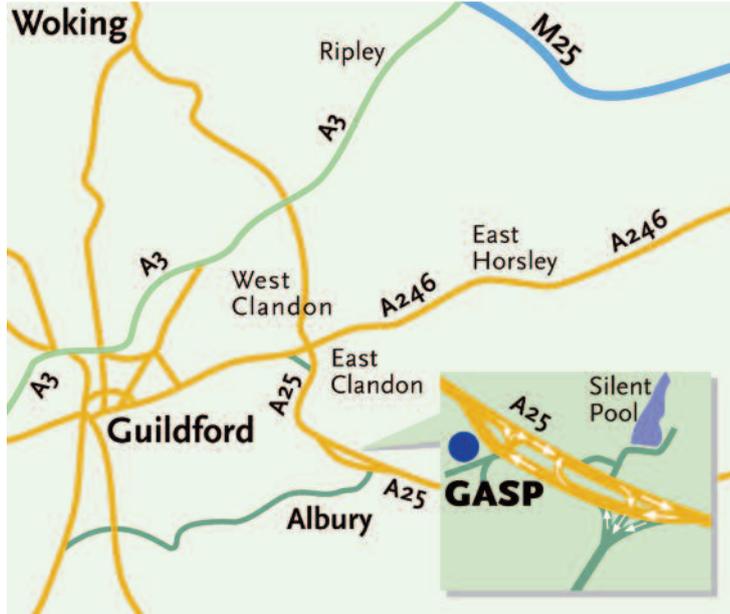
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