

Nonsuch High School for Girls Extra-Curriculum Industry and Career related activities.

Arkwright Scholarship - every Scholarship is sponsored by a commercial company, trade association, university, professional institution, armed service, government organisation, worshipful company, charitable trust or personal donor. Arkwright Engineering Scholarships can support students to become a future leader in engineering, computing or technical design.

Arts Award - Arts Award inspires young people to grow their arts and leadership talents: it's creative, valuable and accessible.

Atkins 'YES' Programme - an after-school enrichment programme for students in years eight and nine, to show them the different types of STEM careers available to them, to inspire future generations of engineers and help students learn about STEM through hands-on experiments and activities.

attract – a year-long programme run by The Royal Academy, includes specialist practical workshops, tutorials, studio visits, careers advice from arts professionals and exhibition tours all designed to get young people thinking and talking critically about art and the creative industries.

The Bebras Contest (the International Contest of Informatics and Computer Fluency) an international initiative aiming to promote Informatics (Computer Science, or Computing) and computational thinking among school students at all ages, focuses on computational thinking via problems, tasks, puzzles etc.

Bar Mock Trial - a unique opportunity for students aged 15-18 from all over the UK to gain unparalleled insight into the justice system. The competition immerses students in all aspects of a criminal trial, as they take on the roles of barristers, witnesses, clerks, ushers and jury members.

Belgium Work Experience – for Year 12 students taking French A Level.

Bright Ideas Challenge - invites young people to use their creativity, problem solving, teamwork and STEM skills to devise innovative solutions that could power cities of the future.

The (British) Informatics Olympiad - students solve problems with the aid of a computer and marked by a teacher, aims to encourage students to take an active interest in information technology and to allow them to meet and exchange ideas.

Cambridge Chemistry Challenge - aims to stretch and challenge students interested in chemistry, and provides an excellent experience for anyone considering taking their studies further.

Corpus Christi Essay Competition from Cambridge – a series of essay competitions for Year 12 students. Participants get the chance to write and think about challenging questions, with the most distinguished entries recognised through prizes and a chance to visit Cambridge. Subjects include Biology, English, Economics, Geography, Languages and Linguistics, Politics and International Relations & Theology.

CyberFirst Girls competition - run by the UK National Cyber Security Centre, aims to support girls interested in a career in cyber security.

Cyber Centurion - part of Cyber Security Challenge UK, which is a series of national competitions, learning programmes, and networking initiatives designed to identify, inspire citizens to become cyber security professionals.

Duke of Edinburgh's Award - a national programme to support young people's development with a four section format of: Volunteering, Physical, Skills and Expedition, with an additional Residential section at Gold level.

Faraday Challenge (IET) - competition of STEM activity days with a real-world challenge for pupils who learn key STEM skills and knowledge, as well as developing their problem solving, team working and communication skills.

Fitzwilliam Essay Competition (Ancient World/Classics) - essay competitions in a variety of subjects, allowing talented students to explore their interests beyond the school curriculum.

Galactic Challenge - students are placed in teams, and spend the day creating a presentation on topics including what would it be like to live in Space? What sort of things would you really need, and what things could you manage without? How far into space will humans have travelled by 2080? and at the end of the day the teams present their ideas to a specialist board of judges, in an attempt to win the contract.

Gladstone Memorial Essay Prize (Classics) - The prize offers an annual award of £1,000 for a work of history on a topic not primarily related to British history that is the author's first sole book publication.

Harry Potter workshop - Young minds are stimulated as they discover the extraordinary artistry, technology and talent that went into creating one of the most successful film series of all time.

Headstart - university taster courses for students aged 16-17 in Year 12 who have an interest in creativity, problem solving, & STEM subjects – for those who want to look at the world, play a part to resolve critical issues to help our environment & create a better world.

Humanities Society – provides information on the career opportunities arising from Humanities qualifications.

Inspire Engineering – London Transport Museum - provides an authentic experience for STEM exploration, offering opportunities to meet engineers, undertake genuine engineering challenges and gain insight into the world of work.

Jack Petchey Speak Out Challenge - student deliver a speech they have created from scratch to their classmates and a small panel of judges.

Legal Apprentice Competition - students to work as part of a team to complete a series of tasks, designed to encourage them to tap into their "inner solicitor" – using skills and logic to provide legal advice for virtual clients.

Marshall Society Essay Competition – run by the economics society of the University of Cambridge this is an opportunity for all students currently working towards A-levels to demonstrate their ability to write a convincing and well-structured essay.

Mary Renault Essay Prize/St Hugh's (Classical Reception) - awarded by the Principal and Fellows of St Hugh's College, and funded by the royalties from Mary Renault's novels.

NCS - learning skills and having experiences outside the classroom are just as important as those inside it, designed especially for 16 and 17 year olds, the NCS experience gives students a clearer idea of what they want from their future. In the first week, they live away from home and nurture their adventurous side, the second week they also live away from home and build on their skill set and the third week they have the opportunity to use their voice and have a lasting impact by delivering an impressive 'passion project'.

Omnibus Sam Hood Translation Prize (Classics) – to encourage elegant and stylish translation from Greek and Latin prose and verse.

Peterhouse 'Vellacott' Essay Competition (History) - a great opportunity for Year 12 students to start exploring their subject and get a taste of university-level research.

Physics in Action - five sessions of phenomenal physics, brought by the brightest lights in the field, will delve into physics and its applications, taking students beyond their classroom experience with cutting-edge research, demos and plenty of discussion.

Robotics Challenge (EEP) - Student teams can apply to be part of an exciting robotics challenge that sees them involved in special missions. Teamwork, robots, design, discovery, fun and loads of LEGO are all part of the mix, as are real-world challenges and some great prizes.

Robotics Challenge (FLL) - a global STEM challenge for teams of young people, to encourage an interest in real world themes and develop key skills that are crucial for their future careers. Young people work together to explore a given topic and to design, build and program an autonomous LEGO® robot to solve a series of missions.

Robotics Challenge (FTC) - in teams supported by a mentor, FIRST Tech Challenge participants learn to think, operate and collaborate like innovators – designing robots to compete in tournaments.

Royal Economic Society Essay Competition - Year 12 and Year 13 students studying A-Level entrants asked to complete a 1,500-word essay on one of five topics. Judges assessed each essay based on originality, quality of writing, economic content and the quality and power of the economic arguments.

Royal Society of Chemistry's Olympiad - to challenge and inspire, budding chemists will develop critical problem-solving skills, learn to think more creatively and get a chance to test their knowledge in new, real-world situations. This enriching experience is a unique opportunity for students to push themselves further and excel in the chemistry field.

Science Crest Awards - challenging and thought provoking real-world STEM projects for young people of all ages

Sony Photography Awards - the Awards are a global voice for photography and provide a vital insight into contemporary photography today, giving students a chance to have their work recognized globally and the power to change the careers of those who win and are shortlisted.

Space Design Challenge - students integrate their knowledge of science and learn technical competence, management and communication skills and enjoy a unique experience of working as a member of an aerospace industry proposal team.

Sports Leaders - young people undertaking a qualification in Sports Leadership will learn and demonstrate important life skills such as effective communication and organisation whilst learning to lead basic physical activities to younger people, their peers, older generations and within the community.

Student Investor Challenge - involves teams investing virtual money on the London Stock Exchange. You will need to keep your portfolios healthy by following the ups and downs of the market, judging when to buy and sell in order to make a profit.

Surrey SATRO Challenge - aimed to enthuse students from ages 8-18 to engage in STEM subjects and to develop their knowledge of employability skills, to inform career pathways for the future.

TfL Innovate challenge - Innovate TfL asks groups of young people in Years 12 and 13 to work together to come up with an innovative solution to a real TfL challenge.

The Tenner Challenge - helping students to gain confidence and prepare for the world of work. Students are pledged £10 from the Tenner Bank and use this start-up capital to get their enterprise off the ground. They have one month to set up their business, coming up with an idea for a product or service.

Tunnock's Teacake Challenge - students produce a plate with a focus on the presentation of a Tunnock's Teacake and aim to create the most stunning plate created.

Young Enterprise Company Programme - provides a vehicle for young people's and businesses' growing need for adaptability and employability skills for life beyond statutory education. Company Programme provides an experiential learning opportunity that introduces young people to the practical realities of the world of work.

Young Geographer of the Year - gives pupils the chance to explore the potential that geography holds.