RUGBY SCHOOL

16+ COMPUTER SCIENCE SCHOLARSHIPS FOR ENTRY IN SEPTEMBER 2024
Examination dates: Tuesday 7 November or Thursday 9 November 2023
THE CLOSING DATE FOR APPLICATIONS AND BURSARY AUGMENTATION IS FRIDAY 22 SEPTEMBER 2023
FOR APPLICANTS AT SCHOOL OVERSEAS THE CLOSING DATE IS FRIDAY 25 AUGUST 2023

The examination is held in conjunction with the Sixth-form Entrance Examinations. Candidates sit three academic examinations, one of which **must** be the Computer Science paper, together with a Verbal Reasoning Test.

The Computer Science paper is divided into three sections and will incorporate questions based on the areas of related theory below. Questions are designed to test the abilities of exceptional Computer Science candidates from a range of backgrounds and experiences.

- The characteristics of contemporary processors
- Input, output and storage devices
- Software and software development
- Exchanging data
- Data types, data structures and algorithms
- Legal, moral, cultural and ethical issues
- Elements of computational thinking
- Problem solving and programming
- Algorithms to solve problems and standard algorithms

Candidates must bring examples or a portfolio of programming projects to be discussed at the interview. The Department is looking for students to present one or more self-developed projects that have been largely completed outside of lesson time. It is recommended that a procedural or object orientated approach is utilised. It is acceptable for applicants to bring working versions of programs on a digital device with the requirement that all source code can be easily accessed and discussed. This too can be in digital or printed formats. Applicants should explain lines of their development when prompted and discuss its position within the whole solution along with the purpose and efficiency of generated algorithms. Students should be able to describe pre-defined functions that have been used and must clearly identify snippets of code that have been retrieved from an external source.

If a Computer Science Scholarship is awarded, the pupil will be required to take Computer Science as an IB Higher subject or an A-level subject and would be encouraged to apply for a university course related to Computer Science at university.

Further information can be obtained from Mrs Lisa Bell, Head of Computer Science (email: lab@rugbyschool.net).

AWARD AND AUGMENTATION

The value of a Scholarship award is a fee concession of 5% which parents or legal guardians of the awardee may elect to accept. More than one Scholarship can be awarded to a candidate although the total fee reduction available is limited to 5%.

The level of fee concession provided may be augmented by means-tested bursary support up to 100% of the boarding or day fees. Bursary applications are made via an online system, please complete the [Bursary Application Form](#) to start an application. In order for your bursary application to be considered, your child must be registered with the School and the Registration Fee (if applicable) paid in full. Applications submitted after the closing date may not be assessed until after the result of a scholarship application is known.

Additionally, at the Head Master's discretion, exceptional awards with a fee concession which may be greater than 5% can be made where, **during the assessment process**, we identify exceptional potential.