Computer Science Teacher

Introduction from the Head of College

Many thanks for your interest in Rendcomb College and as I say to the pupils,
"Your adventure starts here!"

Rendcomb College is a special place; one where pupils are free to explore academically and literally within a beautiful 230 acre environment. It is a safe place to try new things and we encourage pupils and staff to set ambitious goals, in the knowledge that teaching and learning is a journey which involves both success and challenge. Thanks to our small size, we are able to tailor and personalise each learning journey with staff and pupils enjoying warm, respectful and rewarding relationships. Our pupils are wonderfully genuine and decent; they want to learn and know that they have a responsibility in maintaining the "Rendcomb Family."

The College is currently enjoying an exciting period of change and development. There is a "can do" approach within the staff as we transform our curricular and co-curricular offering. Academic results are excellent and will continue to improve as further initiatives become embedded. Pupils enjoy a broad range of co-curricular activities and we encourage them to support each other as only a small school can. The Campus is transforming as buildings are being built, refurbished and modernised and includes a recently opened state of the art theatre.

I am not alone in thinking that Rendcomb is a very happy and unique place and I look forward to receiving your application.

Mr Rob Jones
Head of College

Our mission

Our mission is to develop *thoughtful*, *adventurous* and *academically ambitious* young people who are life-long learners. We aim to prepare them with the character and skills to succeed in the ever-changing world after school. Our pupils have the freedom to experience, explore and enquire about the world around them. We aim to encourage independence and tolerance in a safe, caring community and magnificent natural environment.

To achieve this we will:
- Promote a growth mind-set, where abilities can be developed through dedication and hard-work;
- Provide a co-curriculum that will challenge and support character development, leadership and teamwork;
- Encourage individualism, creativity and contribution to a nurturing and collaborative community;
- Engender physical, spiritual and mental well‑being through a strong pastoral system;
- Prepare pupils for a life beyond school;
- Develop an appreciation for and responsible attitude towards their environment and surroundings.

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The School

Rendcomb College was founded in 1920 Frederick Noel Hamilton Wills whose family have maintained an active part of the school including significant financial endowment and governance. While the school draws closer to its centenary, we maintain a vision and ethos that remains true to Wills' original values of providing an inclusive and broad-ranging education for our pupils. Rendcomb has evolved, developed and grown over the years and is now a thriving co-educational day and boarding School for 3-18 year olds totalling some 400 pupils.

The College owns some 200 acres of land including the Deer Park and the "Wilderness" which is an integral part of our Forest School and Outdoor Education provision. The College's ten acres of pitches benefit from far-reaching and astounding views. An open air swimming pool lies next to the College buildings. The school boasts four new hard surface tennis courts, squash courts, gym, all weather astro turf and sports hall.

Recent developments include a state of the art Performing Arts Centre at the heart of the campus (opened in February 2017) and major refurbishment of the Science Laboratories; five laboratories now have separate teaching and practical areas putting Rendcomb at the forefront of teaching and learning facilities in this area of the curriculum. Teaching and boarding facilities have also benefited from investment and an ambitious programme of facilities development is ongoing.

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The Person

A capacity both to engage and challenge students of all abilities is essential. The successful applicant will be committed to providing high-quality, effective, student-centred learning and will be innovative and reflective, with a genuine interest in young people and how they learn.

All full time members of staff are expected to play an active role in the life of a busy boarding school. An ability to support the school in another area such as sports coaching or on the pastoral side of School life would also be advantageous. All full time teachers have a tutor group and are responsible for monitoring their pupils' academic progress. All Staff attend Open Days, Taster Days and other College events as well as training and INSET days and are expected to engage with their own Continued Professional Development.

All applicants who are short-listed for the post will be expected to conduct a 30 minute class as part of the assessment process.

The Role

Rendcomb College requires an enthusiastic and dynamic Computer Science Teacher. The successful applicant will be able to deliver the curriculum to all secondary levels and to participate fully in the life of the school. They will be joining an experienced and very supportive department and will be expected to contribute towards pupil support and enrichment activities along with a commitment to provide the best possible Computer Science education for the pupils. The appointee will have their own teaching room and will be allocated a tutor group. The ability to deliver teaching in Maths or Science would be an advantage.

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Academic Courses

The Computer Science department is among the strongest at Rendcomb College on the back of its best ever academic results, 100% admission rate from A Level to Russell Group universities to study Computer Science and our biggest ever GCSE intake, with the majority of students being girls. We host annual and termly enrichment activities that are primarily super-curricular, which are traditionally among the most popular in the College and have attracted other schools to attend also. We have previously won national awards for our ICT facilities, won national competitions at pupil level resulting 5 figure cash prizes, been nominated for a BAFTA for services to teaching Computer Science, placed all-female teams in the top 0.5% nationally in CyberFirst, placed a winner into the final at undergraduate level and a few others too!

Our results last year were impressive for an inclusive subject - 100% A*-B at both IGCSE and A Level Computer Science. This is primarily achieved through good teaching and learning, an open and welcoming learning environment and focusing on developing the independence of our pupils. Computer Science is immensely popular and is one of the largest at both GCSE and A Level. The entire Year 7 through 13 curriculum is fully resourced via our Firefly and Microsoft Teams environments that we use to excellent effect. We have integrated well with other subjects, seeing programming utilised in Chemistry, Physics and Maths as the College's application of STEM has blossomed in recent years. We have hosted and sponsored International Women's Day, being one of the most diverse and gender-balanced option subjects in the College.

With regard to specific Key Stages - we have a departmental policy of no homework in Key Stage 3. We focus on growing their love of the subject through challenging them to become more independent and treat the subject as a hobby rather than an entry in their timetable. All pupils are able to learn programming using SmallBasic and C# in Years 7 through 9 among other topics such as Vector Graphics, Data Representation and Data Analysis.

IGCSE Computer Science is started in Year 10, using C# as the primary programming language. A Level ramps up the content and so the work is split between the teachers in the department (you will be one of two qualified CS teachers). Subject knowledge is a particular strength and so the pupils are confident in the support requested and provided. A Level is via AQA and so having experience of interesting A Level projects would be a real asset to the department.

You will have all the teaching resources you need as we have spent years developing excellent course materials.

Facilities

The College facilitates the teaching and learning of Computer Science through a combination of top of the range Computing Lab, BYOD, generic ICT rooms and flexible learning spaces. Primarily you will teach the bulk of your lessons in the Senior Computing Lab. All pupil PCs (such as in IT rooms or boarding houses) tend to be replaced every three years, so they always have good workstations available to them in every building.

All equipment is of a very high standard with the Computing Lab in particular hosting 20 high-resolution touch screen dual boot Windows 10 PCs, maker space and networked additional flexible work spaces that are updated regularly and frequently. There is comprehensive WiFI throughout and capacity for expansion as required by the department teaching staff. 3D printers have also been relocated from the Computing Lab to DT.

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Teaching and Learning

- Demonstrate significant knowledge and understanding of their subjects/curriculum areas;
- Demonstrate an extensive knowledge and well-informed understanding of the assessment requirements and arrangements for the subjects/curriculum areas they teach, including those related to public examinations and qualifications;
- Work to ensure that all pupils achieve their academic potential and personal development in and out of the classroom;
- Plan and deliver well-organised, challenging and inspiring lessons;
- Demonstrate an extensive knowledge and understanding of how to use and adapt a range of teaching, learning and behaviour management strategies;
- Be flexible, creative and adept at designing learning within lessons and across lessons that is effective and consistently well-matched to learning objectives and the needs of learners.

Marking and assessment

- Demonstrate effective assessment, monitoring and recording strategies, set challenging learning objectives and monitor learners' progress and levels of attainment;
- Provide pupils and parents/guardians with timely, accurate and constructive feedback on progress and areas for development.

Other

- Contribute significantly, where appropriate, to implementing departmental and workplace policies and practice;
- Contribute to the professional development of colleagues through coaching and mentoring, demonstrating effective practice, and providing advice and feedback;
- Promote collaboration and work effectively as a team member;
- Support enrichment and outreach programmes for the department;
- Contribute to the co-curricular programme as required by the Head of College;

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	Essential	Desirable	Method of Assessment
Qualifications	• A degree in Computer Science or related subject	• Teaching qualification	Review of applicant's certificates
Skills	• Ability to teach A Level and GCSE • Ability to offer Science or Mathematics • Strong planning and organisation skills • Highly effective teacher • Desire to improve personal and departmental standards • Ability to show innovative teaching strategies to engage students • Effective communication skills with a proven ability to build a positive and collaborative rapport with pupils, parents and staff alike • Excellent presentation skills. • IT and administrative skills	• Understanding of using data to assist with individual target setting	Contents of the Application Form Interview Observed lesson Professional references
Knowledge	• High standard of subject knowledge and a genuine enthusiasm for the subject • Effective communication skills with a proven ability to build a positive and collaborative rapport with pupils, parents and staff alike • IT and administrative skills	• Broad understanding of educational issues, and teaching and learning strategies	Contents of the Application Form Interview Observed lesson Professional references
Personal competencies and qualities	• Motivation to work with young people in the classroom • Willingness to play an active role in the general life of a boarding school • Excellent presentation skills • An appreciation of the aims and ethos of Rendcomb College • Ability to make and implement decisions despite challenge	• Ability to maintain a consistent and fair approach to classroom discipline • Ability to form and maintain appropriate relationships with • young people	Contents of the Application Form Interview Observed lesson Professional references
Experience	• Excellent practitioner and advocate of modern teaching and learning methods including the use of ICT and mobile technology	• Experience of an Independent School • Experience of delivering high quality teaching and learning. • Record of ensuring high levels of pupil achievement and/or improved value added.	Contents of the Application Form Interview Observed lesson Professional references

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General Teacher Responsibilities

The following elements of the job at Rendcomb are in addition to the teaching-load and act as a general guide. The final balance of teaching and non-teaching responsibilities is assessed on an individual basis.

Tutor

This involves one teaching period per week for tutor/PSHEE in addition to registering tutees from 8.15 Monday to Friday each week. Tutors are responsible for monitoring their pupils' academic progress. Tutors are also asked to accompany their tutees at Chapel for one period per week.

Co-curricular

All full-time teachers are expected to offer two terms of games per academic year or the equivalent in terms of duties or activities such as Duke of Edinburgh Award.
All full-time staff are expected to offer two afterschool activities per week (4.10pm-5.00pm) each term

General School Duties

All staff are asked to undertake week-day general school duties on approximately four days per term. In addition, staff support the boarding community through undertaking a weekend duty (usually a Sunday) approximately once per term. Each member of staff also supports Saturday fixtures or the Saturday boarding programme for approximately twelve Saturdays per year.

In addition to these, staff may also be linked to boarding houses and asked to assist with covering general sick provision at break or lunch

Additional boarding duties in the evening may be available and are separately remunerated.

All staff attend Open Days, Taster Days and other College events as well as training and INSET days and are expected to engage with their own Continued Professional Development.

Variation to this Job Description

This is a description of the job as it is at present, and is current at the date of issue. The job description will be renewed and updated as necessary to ensure that appropriate revisions are incorporated, and that it relates to the job to be performed. This process would be conducted through consultation. You are expected to participate fully in the College's Professional Development and Review (PDR).

To apply, please click the blue "quick apply" button to complete the application form. Please also email your **CV**, together with a **covering letter**, including details of two referees and your current remuneration to Mrs Hannah Boydell at HR@rendcombcollege.org.uk - please note, applications will not be considered without an up-to-date CV **and** application form.

Disclosure

Rendcomb College is committed to safeguarding and promoting the welfare of children, and applicants must be willing to undergo child protection screening appropriate to the post, including checks with past employers and the Disclosure and Barring Service (DBS).

Rendcomb College is an equal opportunities employer