



Job Description for Computer Science Teacher

Job Title:	Computer Science Teacher
Salary:	Negotiable and depends on experience
Status:	Full time permanent contract
Reports to:	Headmaster

The Role:

Belhaven Hill School seeks to establish a cutting-edge and ambitious Digital Education Programme of note. The teacher we seek will have the opportunity of working in conjunction with a Committee of experts in the fields of computing and education to create a bespoke and exciting curriculum, teaching pupils from the age of 7 to 13 computational thinking, digital skills, e-safety, programming and robotics to an exceptional level. We are looking for an expert and innovator who wants to inspire the next generation of technology users and creators.

Preliminary work has been done to outline the goals and potential schemes of work, but the teacher we seek will enjoy the flexibility to shape the programme, choose the resources and create a unique and engaging learning programme to inspire and enthuse the pupils. Funding has been obtained to resource the scheme as it develops. While all pupils will have timetabled weekly Computer Science lessons, there will be considerable opportunities for extended learning during activity sessions and through special projects as part of the co-curricular programme at Belhaven. The teacher will be expected to lead and develop the extension of the pupils' learning across the curriculum. It is hoped that under their leadership, Belhaven will become a sector-leading hub for the teaching and learning of computational thinking and digital skills and the teacher will be encouraged to devise and host competitions and events to further this ambition and bring the programme to a wide range of children and teachers from across the country.

In addition to a teaching role, the individual we seek will be enthusiastic about identifying and leading the potential applications of IT to teaching and learning across the curriculum. The role involves planning, co-ordinating and promoting the use of learning technologies in the classroom and outside it across School life and of building the IT capabilities of the Belhaven staff.

Belhaven Hill School

Belhaven Hill is special. Known simply as 'Belhaven', its small size allows for a warm, fun environment in which children achieve outstanding results academically and in a host of other areas.

Belhaven is a co-educational prep school, with a unique atmosphere and ethos. It has a roll in excess of 100 pupils, aged between 7 and 13. Founded in 1923 as a boys' boarding school, it has been genuinely co-ed since 1995. Over the last ten years, while other schools in the north have closed or reduced their boarding to weekly or flexi-boarding provision, Belhaven has grown in size and strength and remains a 'full-boarding' school, which welcomes day pupils. Almost all the children board for the last two to three years at the school. Pupils board on a fortnightly cycle, where they go home every two weeks from Friday lunchtime/afternoon until Sunday evening or Monday morning.

The main school building is a handsome listed mansion, dating from 1760. Five large rooms and an additional storey were added in 1900 and there have been further extensions in recent years. Boys have their dormitories in the main building and there is a separate girls' house across the lawn. There are resident Heads of both Boys' and Girls' Boarding. The girls' house has evolved since the turn of the century and is particularly warm, comfortable and welcoming. The main house has undergone a programme of refurbishment and redecoration in recent years to make the boys' boarding house a home from home; enhancing dormitories and bathrooms and creating a boarders' kitchen common room. A new classroom block, music school and art building have all been created since 2000. Many of the staff live within the lovely grounds which extend to 20 acres, with accommodation in either the old stable block or the south lodge. There are fine playing fields, a small astroturf pitch, a sports hall, a heated outdoor swimming pool, grass tennis courts, a croquet lawn, putting green and children's gardens within the walled garden. Between the rear of the school and the sea is a golf club, of which the senior children can become members, allowing them to play rounds in the evenings and at weekends. The extensive Belhaven Bay beach, within the John Muir Country Park, is a short walk from the School and popular for surfing.

The school is a charitable trust run by a Board of Governors. As Belhaven approaches its Centenary in 2023, the School has begun to implement a new Strategic Plan, drawn up in partnership with the Head and supported by the

staff. This includes some exciting and innovative projects to which it is hoped the new Computer Science teacher will contribute.

Children are prepared for entry to a wide variety of boarding Public Schools through either Scholarship or Common Entrance. These include schools such as Ampleforth, Eton, Fettes, Glenalmond, Harrow, Oundle, Queen Margaret's, Radley, Rugby, Strathallan, Tudor Hall and Uppingham.

Responsibilities

- Work with industry experts and educators to create a Digital Education Programme that will;
 - build a core understanding in all pupils of the fundamentals of programming using Scratch, Robotics, JavaScript, Python, Swift, and HTML
 - over the five or six years that pupils are at Belhaven, starting with age-appropriate play-based learning and in a stimulating and immersive way build mastery of coding languages and digital skills in a fun environment
 - actively depart from traditional 'programming' methodologies and develop new innovative and inspiring paths to teach and enthuse pupils
 - inspire pupils to have the confidence to seek out alternative mobile platforms, digital tools and more advanced programming environments and provide them with the foundation skills to enable such exploration
 - help pupils understand how the technology that is used in everyday life works and give them the confidence to master the skills to manage it
 - teach pupils digital skills using a creative and innovative approach to coding and robotics
 - inspire pupils to express their creativity through the language of code
 - help pupils to learn through the programme the resilience to cope with failure and adversity in their studies and more broadly
 - enable pupils to go on to their senior schools equipped with exceptional digital skills and understanding
 - set appropriate and exciting goals and targets for each academic year of study so that all pupils feel a sense of achievement and have measurable skills obtained by creating mobile apps, building prototypes and tackling school/class challenges
 - teach all pupils foundation skills and enable the most able and enthusiastic to achieve their potential through extended study and activities
 - teach all pupils e-safety, an awareness of the risks and how to manage them responsibly in an age-appropriate form
- Prepare lessons thoroughly, ensure all the equipment works, assist pupils and staff in using the technology safely and responsibly
- Assist pupils in documenting and capturing evidence of their learning and creating digital portfolios for display to families and other members of the Belhaven community
- Collaborate with parents by providing regular information sessions for those who are interested, directing them to resources that will enable

them to learn the fundamentals of coding and helping them to support their children in their learning at home

- Promote technology use that supports excellent teaching and learning, integrating its use into traditional content areas throughout the school curriculum
- Document and record the programme as it develops so that lessons can be learned and best practice identified
- Inspire, encourage, and support teaching staff with creative and interdisciplinary technology projects
- Create, promote, and facilitate technological professional development for teaching staff
- Train pupils and staff to use hardware or software in one-on-one or group settings
- Create online training and documentation
- Test, troubleshoot, and support software and hardware
- Collaborate closely with the Headmaster and the Director of Studies and with teaching staff across the school
- Stay fully up-to-date with the latest developments in technologies for teaching and learning
- Identify areas where the School might offer best practice teaching and training to other educators and develop a range of events and opportunities for pupils from other schools to participate in competitions and projects at Belhaven
- Lead activities as part of the co-curricular programme at the School
- Fulfil such other duties as the Headmaster may from time to time require

Selection criteria

Attainments/Qualifications

Essential

- Good honours degree
- Teaching experience

Desirable

- Teaching qualification

Skills & Understanding

Essential

- Specialist knowledge of applications of IT to teaching and learning in schools
- Confident in teaching prep-school age children and identifying ways to convey complex ideas in a stimulating and entertaining way
- A comprehensive understanding of current innovations in teaching and learning
- Excellent interpersonal and collaboration skills
- Excellent communication and presentation skills

- Project management skills
- Specific IT skills:
 - Comprehensive and up-to-date knowledge of Office 365
 - Expert knowledge of mainstream education technology tools (e.g. OneNote, Apple Classroom, Explain Everything, Quizlet, Socrative etc.)
 - Digital media and desktop publishing skills for the creation of digital learning content
- A comprehensive understanding of digital literacy and e-safety in a school context

Desirable

- Knowledge of current educational research in the domain of technology in teaching and learning

Prior Experience

Essential

- Teaching experience that demonstrates a skilled knowledge and understanding of effective teaching practice, lesson preparation, assessment and pupil tracking
- Demonstrated skills and knowledge in the design and execution of coding classes for young learners
- Experience of enabling teachers and students to use learning technologies through supporting staff/students at a range of levels
- Experience of planning and delivering large scale, small group and 1:2:1 training sessions
- Familiarity with Design Thinking, project-based and experiential learning

Personal / Professional Qualities

Essential

- Confident as a teacher and passionate about educating children
- Innovative and inspirational approach to teaching computational thinking and digital skills
- Ability to work both independently and as part of a team
- Ability to problem-solve and think strategically
- Calm approach to dealing with unexpected/unwelcome issues when they arise
- Enthusiasm and commitment
- Good administrative skills
- Willingness to work flexibly to fit in with project requirements
- Honesty and integrity
- Punctuality and reliability

- Ability to communicate to a wide range of adults and children and convey enthusiasm for digital education

The School is committed to safeguarding and promoting the wellbeing of children and young people and expects all staff to share this commitment. A copy of the School's Safeguarding and Child Protection Policy is available for download from the School's website www.belhavenhill.com . Please take the time to read this document.

It is the policy of this School to employ the best qualified personnel and to provide equal opportunity for the advancement of employees including promotion and training and not to discriminate against any person because of their race, colour, national or ethnic origin, sex, sexual orientation, marital or civil partnership status, religion or religious belief, disability or age. All new appointments are subject to a probationary period.