HARROW
INTERNATIONAL SCHOOL
BANGKOK

COMPUTER SCIENCE TEACHER JOB DESCRIPTION

Job Title :	Specialist Computer Science Teacher
Line Manager:	Head of Department

Purpose of Job

Subject teachers are responsible for maximising the academic progress of the students they teach, working with colleagues to participate fully in the development of the department. Subject teachers promote a positive, purposeful and professional working atmosphere that encourages cooperation and challenge, whilst valuing the contribution that individuals make to the success of the department.

Duties and Responsibilities

Overall Responsibilities

- Encourage high standards in all aspects of school life, particularly in student progress
- Contribute to the effective and efficient running of the school
- Promote a school culture which is positive, purposeful and professional
- Support and motivate students, teachers and other school employees
- Encourage consultation, review and improvement

Teaching and Learning Responsibilities

- Plan and prepare well-structured, clearly presented lessons appropriate to the abilities of all students and the syllabus being taught
- Make sure that the classroom is a stimulating environment that facilitates learning
- Generate enthusiasm for the subject being taught and inspire all students to work to their potential
- Liaise with the Head of Department and learning support where a student may have special educational needs and with the form tutor and Head of House if a student is experiencing pastoral difficulties
- Promote high standards of behaviour by encouraging a positive, proactive approach to study and build productive relationships with students
- Set homework according to policy and pertinent to the student's ability and wider workload
- Promote high standards of organisation
- Be punctual to lessons
- Promote high standards in the use of English as the common language and help develop English for academic progress
- Provide high quality, accurate, constructive and targeted information to parents at Parents' Evenings, in subject reports, incidental meetings and communications
- Assess, record and monitor the progress of all students according to faculty guidelines in order to provide accurate information to parents in a variety of forms, as and when necessary
- Maintain materials and resources as needed

HARROW
INTERNATIONAL SCHOOL
BANGKOK

Responsibilities to the Department and School

- Be respectful of the needs of colleagues and the department with regards to cooperation, collegiality, deadlines and team cohesion
- Participate positively in departmental meetings, follow policies and generally contributing to the effective and efficient running of the department
- Promote professional dialogue, share ideas about teaching and learning and support other teachers in developing good practice and new approaches and initiatives
- Take part in, and contribute to, INSET activities offered in the department and by the school
- Enthusiastically contribute to cross-curricular links and initiatives, and Leadership in Action activities
- Be involved in new responsibilities within the department as part of an ongoing process of professional development
- Keep up to date with developments in the subject, and in education generally

Other Responsibilities

- Undertake other reasonable duties as requested by the Head of Department, Head of Faculty or members of the Senior Leadership Team and any duties that the Head Master deems necessary for the effective operation of the school

Requirements

- Appropriate degree, with UK PGCE, or other teaching qualification giving QTS
- Minimum three years' teaching experience
- Familiarity with the National Curriculum of England (plus IGCSE/GCSE and/or A Levels as appropriate)
- Passion for teaching and commitment to educating the whole child
- A high level of professionalism and consideration of the well-being of children
- Recent and consistent involvement in extracurricular activities
- Respect for all members of a school community, irrespective of position, gender, age and ethnic background
- Previous experience working with students for whom English is not their first language
- A positive and solution-focused attitude to working life
- A clean enhanced Disclosure and Barring Services check or police check (for applicants who have never worked in UK) and no question regarding suitability to work with children

Education is an ever-changing service and all staff are expected to participate constructively in school activities and to adopt a flexible approach to their work. Whilst every effort has been made to explain the main duties and responsibilities of the post, each individual task undertaken may not be identified. The post holder will be expected to comply with any reasonable request from the line manager to undertake work of a similar level that is not specified in this job description. This job description may be amended at any time following discussion between the line manager and member of staff, and will be reviewed annually during the appraisal process, and will be varied in the light of the business needs of the school.

Harrow International School Bangkok is committed to the safety and protection of children.
All employees are expected to comply with our School Child Protection and Safeguarding Policy.

HARROW
INTERNATIONAL SCHOOL
BANGKOK

COMPUTER SCIENCE TEACHER JOB SPECIFICATION

The Computing Department

The Computing Department at Harrow Bangkok is very well resourced and forms part of the extremely successful Mathematics and Computing Faculty. The department has recently changed from a traditional ICT curriculum to a more challenging one that enables all students in Prep (Year 6 - Year 8) and Shell (Year 9) the opportunity to study coding.

At IGCSE level we offer both IGCSE ICT and GCSE Computer Science. Computer Science is a popular subject with two full classes and around 30-40 students taking the examination each year. For our A Level classes, we have a very enthusiastic and dedicated group of students who study the subject in each year group, most of whom go on to study computing related courses at university. It is expected that numbers at A Level will increase now that Computer Science is fully established at IGCSE level and coding and computational thinking is embedded more thoroughly into our curriculum throughout all phases of the school.

The Computing Department's aim is not only to equip students for today's society, but also for the future, and to teach in such a way that celebrates innovative ideas, stimulates forward thinking and exposes students to the enormous potential of computers and their applications in related fields.

Courses and Examination Boards

We currently offer the following examinations within the Computing Department:

- IGCSE ICT (CIE)
- IGCSE Computer Science (CIE)
- International A Level Computer Science (CIE)

Academic Results

The IGCSE ICT results are generally strong. In 2019, 60% of the students achieved A*- A grades with 100% A*- B grades. In IGCSE Computer Science, the results were similar with 59% of the students achieving A*- A grades with 96% A* - B grades.

At A Level, the Computer Science students achieved 45% A*- A grades and 73% A*- B grades in 2019. Harrow Bangkok students have been awarded by CIE for their high achievement at AS and A Level Computer Science examinations on a regular basis since the course was introduced at Harrow Bangkok in 2015. This outstanding success not only reflects the calibre of students that study Computer Science at A Level but also the quality of the teaching in the department.

HARROW
INTERNATIONAL SCHOOL
BANGKOK

Department Staffing

We currently have three full-time computing teachers and two part-time teachers.

Desirable Skills and Attributes for Teacher of Computer Science

- Excellent and effective communication skills
- Ability to continue to raise the profile of computing in the school
- Ability to extend high-flying students beyond the age-specific curriculum and develop suitable intervention strategies to suit their needs
- Ability to teach IGCSE and A Level Computer Science
- Ability to teach IGCSE ICT
- A passion for the new computing curriculum
- A competent programmer up to A Level standard (preferably in Python) who should be able to teach object oriented programming and have a good understanding of ADTs such as stacks, queues, hash tables and binary trees
- 'Computing at School' member or Master Teacher
- An awareness of the needs of EAL learners, as the majority of our students are non-native English speakers (knowledge of the strategies used to support and scaffold students' language development would be beneficial)
- The ability to extend and motivate able students to go beyond the IGCSE and A Level syllabus
- A willingness to take part in subject-related extracurricular after-school activities including the Programming Club and Harrow Tech Leaders Club
- A willingness to offer regular revision sessions for students outside of normal teaching hours (at lunchtimes and after school) in the lead up to examinations
- An enthusiasm to continue learning and improving own knowledge in computing and teaching