



Lead Teacher of Science

Job Description

Please note that this job description should be read alongside generic version applicable to all teachers.

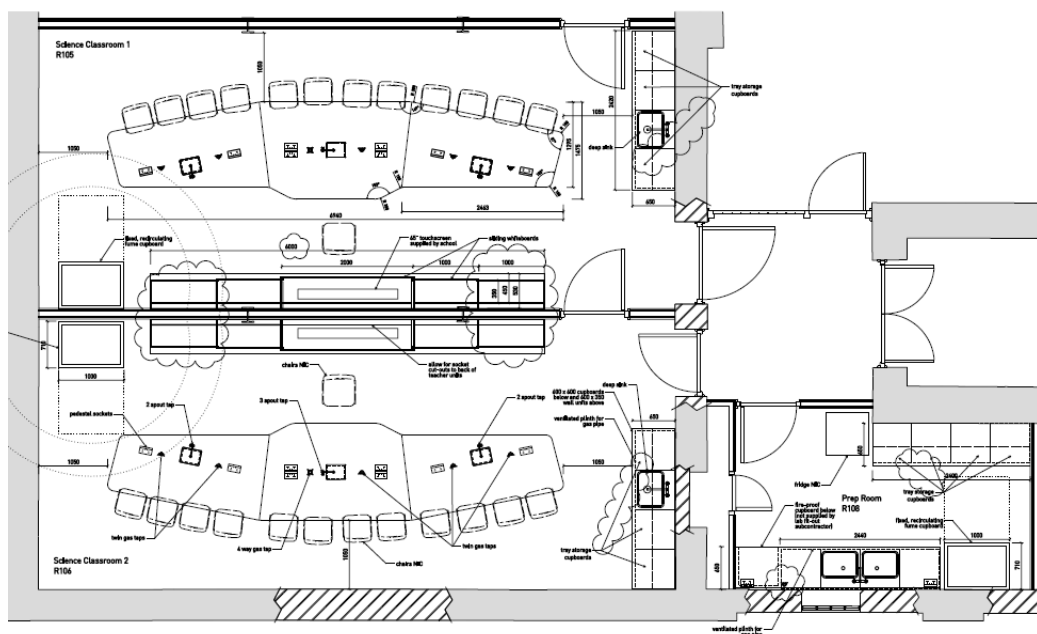
Overview

Science will be a key area of the curriculum at the College, taken by all students.

For the first year the Teacher may well be the sole member of this department and be expected to contribute widely to the overall curriculum. Thereafter, at least one or two more staff will be added over whom s/he will be the immediate Line Manager. (S/he will in fact be 'Head of Department' although in a small environment that term is fairly irrelevant.) However, the Lead Teacher should also see him/herself as part of the wider King's team, liaising with the respective Heads of Science accordingly.

There will be two dedicated Science teaching labs in the Malthouse, equipped with the latest technology. The Teacher will build the College teaching and learning resources, but can also make use of the extensive material and expertise available at King's. When the College is fully up and running, it is expected that there will be a full time, qualified technician available.

Science Labs and Prep Room



The Teacher will be expected to enthuse a scientific understanding of the world, encouraging the development of an enquiring mind, helping students to ask the right questions and learn research techniques that will serve them well in the future. In so doing s/he will deliver all three major sciences up to and including IGCSE.

The Lead Teacher of Science will report to the Joint Principals.

Specific areas of responsibility

1. Curriculum design with schemes of work
2. Teaching & Learning
3. Resources
4. Administration

1. Curriculum design with schemes of work

The Lead Teacher will be expected to design an appropriate curriculum for the College, organising the schemes of work and the department handbook accordingly. The programmes of study at King's should be the starting point both for ease of transfer and the availability of extensive resources and expertise.

Programmes of study will be as follows:

Years 7 & 8: a combined and integrated science course designed to ensure that students reach a standard to enable them to adapt seamlessly to studying separate sciences at a senior school in Year 9; this will involve practical as well as theory work; the [ISEB Common Entrance syllabus](#) can be used as a guide, but it is not intended to prepare students for the CE exams.

Year 9: Biology, Chemistry and Physics will be both integrated (in terms of understanding) and delivered separately (in terms of specific content), preparing students for IGCSE studies at King's or elsewhere.

Year 10 and 11: Biology, Chemistry and Physics to be delivered as separate subjects for the [Edexcel-Pearson IGCSE qualifications](#), single award, double award or as separate subjects as appropriate.

2. Teaching & Learning

The Lead Teacher will be responsible for ensuring that the students both enjoy and achieve highly in their Science learning. This will involve ensuring that science conforms to the College standards both in delivery and outcome:

- creating stimulating lessons appropriate for the different levels of student
- providing opportunities for students to discuss and question in class
- providing informative feedback to the students, both written and oral
- making use of technology appropriately and effectively
- developing and providing opportunities for scientific enquiry outside lessons
- working closely with the Lead Teacher of English as an Additional Language and those responsible for Learning Support
- ensuring that all required assessments and reporting is completed on time

As Lead Teacher, s/he will also monitor the Science taught by other members of staff and carrying out periodic reviews of their work and line-managing the staff involved.

3. Resources

The Lead Teacher will be responsible for ensuring that departmental resources are all appropriate for what is being covered and up to date, both hard and soft versions. The extensive resources available from the King's Science departments can be used, but the College will need to develop its own, particularly on the College VLE.

4. Administration

The Lead Teacher will be responsible for the following:

- setting and marking internal examinations as required
- ensuring that all external examination entries for Science are accurate, with students entered for the right level
- managing the departmental budget
- attend College and King's meetings as required
- carrying out any other relevant administration tasks required by the Joint Principals

January 2018