



## TEACHER OF CHEMISTRY

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- To start Jan 2019 (or soon after)
- Full-time
- To teach up to and including A level chemistry
- NQTs welcome
- All NQTs supported throughout the year with an excellent bespoke programme

## OUR LATEST SUCCESS

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Innovate TFL finalist team outside The Royal Institute of Mechanical Engineers March 2017

## THE SCIENCE DEPARTMENT

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The Science department is housed in seven modern, purpose built labs with 9 members of staff, supported by four technicians (three full-time equivalent) in a spacious well designed prep room.

Every lab has good storage space. The two A level chemistry labs have a fixed fume cupboard and additional sinks and worktops. The mobile fume cupboard can be used in all the other labs.

Every lab and classroom within the school has a visualizer. This allows teachers and pupils to share work with the class. Practicals can be carried out on the visualizer and projected onto the whiteboard – this is particularly useful if the equipment is very small or if the observed change in a chemical reaction is very hard to see from a distance when demonstrating a practical to the class.

In addition to the computer rooms that can be booked in advance, there is a laptop trolley that the science department can book.

### PRACTICALS & EQUIPMENT

Practicals are done routinely within the science department and as a result the pupils develop good lab techniques. Pupils work in threes for the majority of practicals in KS3 and KS4. At A level the students will most probably work alone to develop the higher lab skills required to become proficient and show competencies. As a result, the transition to the new A level curriculum has been smooth, particularly with regard to the required practicals which we see as an absolute minimum.



## CHEMISTRY AT YAVNEH COLLEGE

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Chemistry is an integral part of the thriving Science department in Yavneh College and many of our students graduate to study chemistry or a chemistry related degree at Russell Group universities.



A Level Chemistry Practical



**NSEW:** Every lunchtime for one week there are a host of activities for pupils in KS3 and KS4 to take part in. Sixth form science prefects help run the sessions and the staff volunteer on a rotational basis. It's always a lot of fun and a hive of activity.

## THE SCIENCE CURRICULUM

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### KS3 SCIENCE

KS4 is taught in Year 7 and 8 and pupils are in mixed ability classes. We follow the Oxford Activate scheme of work.

### GCSE SCIENCE

AQA GCSE is taught in 6 groups from Year 9 - Year 11. There are two triple science classes and four double science classes.

Within the double and triple classes, the pupils are on mixed ability. We follow the AQA Trilogy route for the double science award. Every pupil has a Collins Connect login to access materials.

We have devised excellent protocols for helping pupils develop their practical skills and record their experiments. This has come about as a result of following the AQA iGCSE exam specification for the past five years where there has been no practical exam/assessment. Instead, the practical skills and understanding are in the terminal written papers as they are in the new GCSE exams.

### A LEVEL CHEMISTRY

We follow the Edexcel A level chemistry specification in Year 13 and the year 12s follow the AQA A level chemistry specification. In each year we average 20 students and depending on the precise number will depend on whether they are taught in one or two groups.



TEACHER VACANCY (FULL TIME)

Every year many students go on to study chemistry or chemistry related degrees in the UK's top universities.

The teaching resources in our department shared area are excellent, as are all the teaching resources within the department at all key stages.



Investigating the energy content of different food types



## THE DEPARTMENT

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The staff within the department are highly collegiate and enjoy a great deal of collaborative work. It is this aspect that makes teaching science at Yavneh so special. The department are warm and supportive and there is an open culture to develop new ideas.



As NQTs join the department they bring with them their ideas and this is always welcomed as we are continually learning from one another.

## OUTREACH

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Practicals are a frequent feature of science throughout the years.

Every year we run a Year 5 Forensics Day with local Jewish Primary schools. Sixth form Science Ambassadors help run all the sessions ensuring a high ration of instructors to Year 5 pupils.

A range of experiments are carried out including flame tests.



**YAVNEH COLLEGE** NQTS WELCOME

TEACHER VACANCY (FULL TIME)

## EXTRACURRICULAR

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There are always competitions of one sort or another going on within the science department for pupils in various key stages.

Pupils have achieved CREST awards and entered (and been successful) in international competitions.

Pupils have achieved great success in the Cambridge Chemistry Challenge competitions in Year 12.

## ACADEMIC SUCCESS 2018

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GCSE Triple Science: Chemistry	79%	9-7 grades
GCSE Double Science	85%	9-4 grades
A level chemistry	73%	A*-B grades

## JOIN OUR TEAM

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We appreciate the time and effort it takes to complete an application form and therefore thank you for taking the time to apply to Yavneh College.

Suzie Shiradski  
Head of Science  
Nov 2018