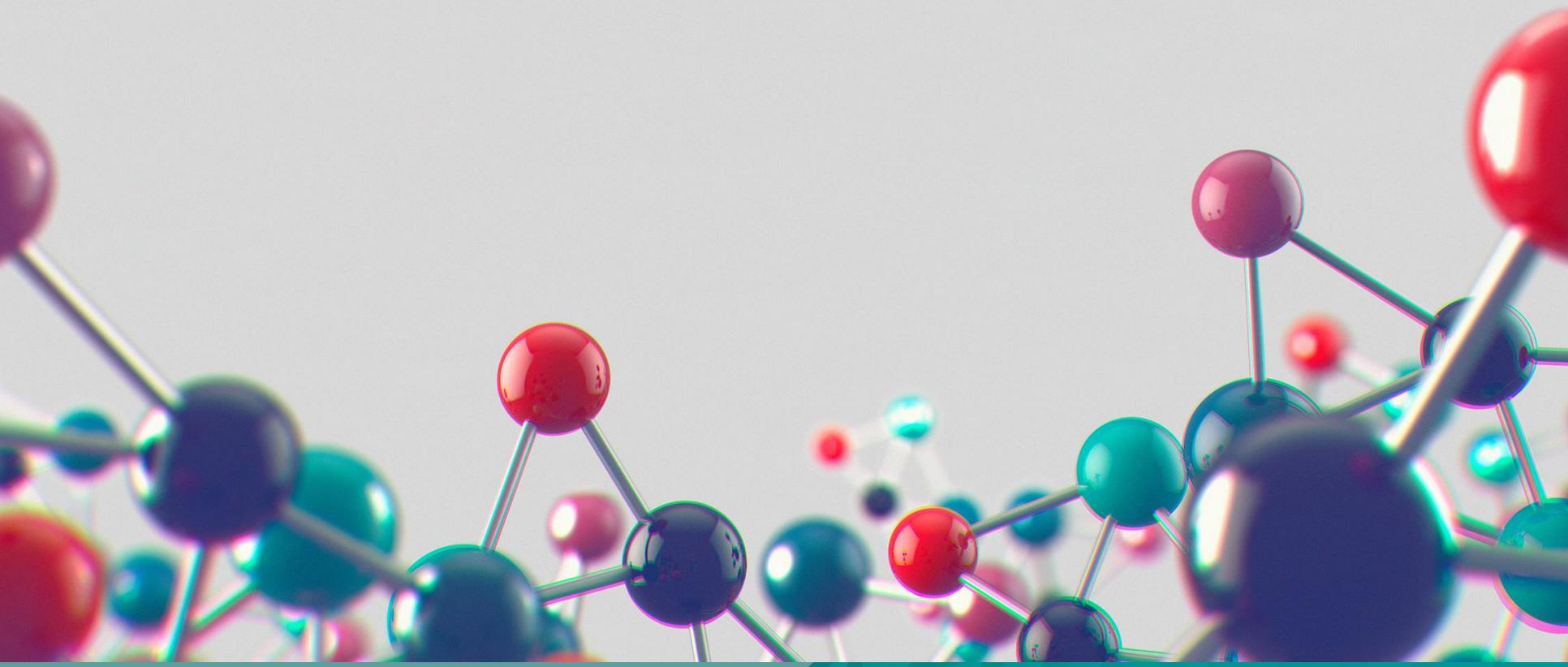




# Chemistry at Latymer



# Latymer Chemistry Department



Dr Glennie



Dr Hussain



Mrs Kumar



Miss Mohamed



Mr Mumin



Mrs Williams- HOD

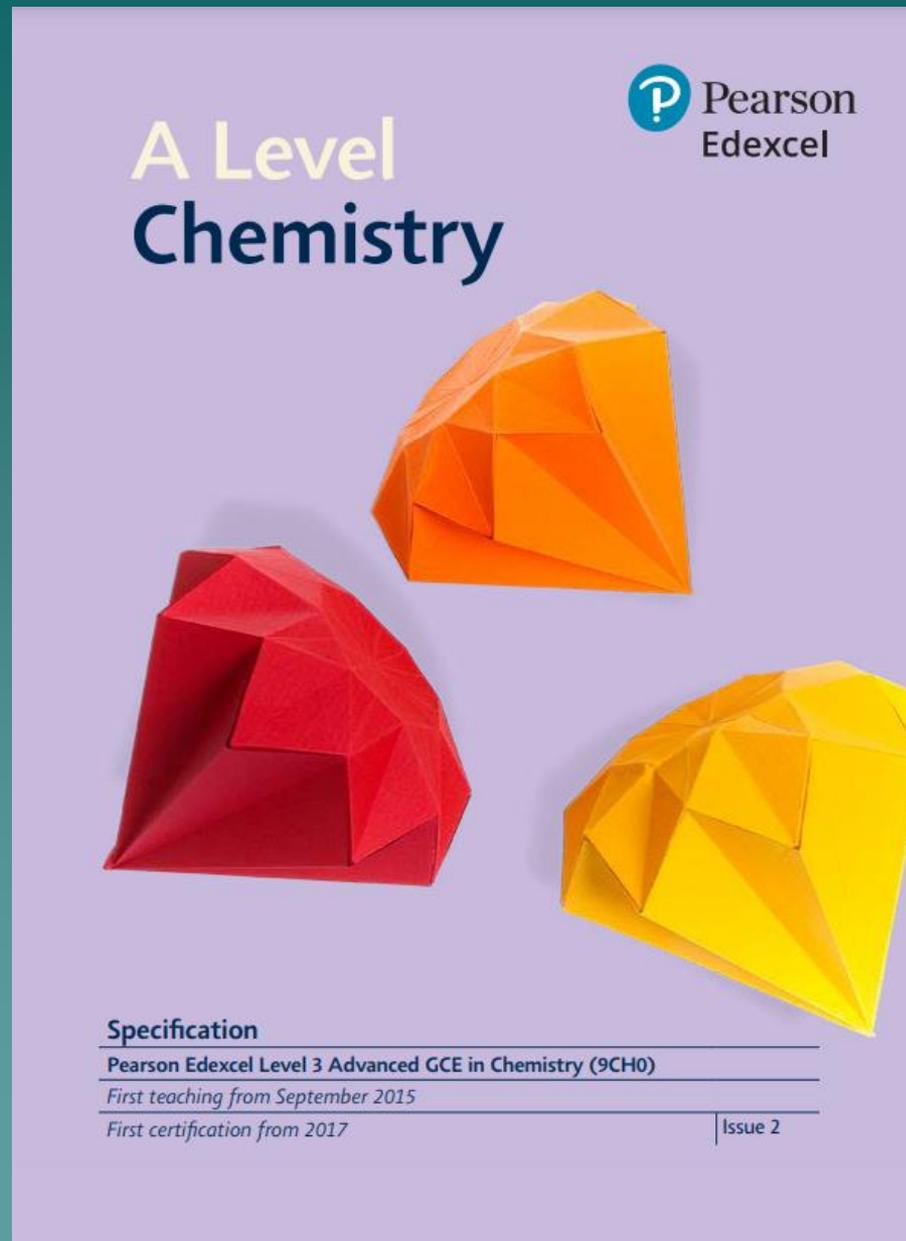
# Grouping of Students



- ◆ 6 groups.
- ◆ Max 20 per group. Over-subscribed.
- ◆ Groups are not based on ability
- ◆ Similar numbers of boys & girls
- ◆ 2 teachers
- ◆ 4 brand new renovated chemistry labs of similar layout. Majority of lessons in labs. (1 or 2 per fortnight in a class-room.)

# Edexcel A-level Chemistry

- ◆ We study Edexcel for A-level Chemistry.
- ◆ 9CH0



# What was new in 2015?



AS level became a “stand alone” qualification

AS has the same content as the first year of A Level  
i.e. AS is co-teachable with A level

*(If students take AS level examinations, these marks **DO NOT** form part of the overall A Level grade. Those taking AS level do not intend to progress to A level.)*

The A level grade is awarded for performance on the terminal A level papers only – these papers will integrate content/material from the first year of the course.

# What topics will you study?



## AS level Year 12

Atomic structure and  
Periodic Table  
Bonding and structure  
Formulae and equations  
Redox I  
Inorganic chemistry (Gp 2 & 7)  
Organic chemistry I  
Modern analytical techniques I  
Energetics I  
Kinetics I  
Equilibrium I

## Year 13 A level only

Kinetics II  
Equilibrium II  
Acid-base equilibria  
Energetics II  
Redox II  
Organic chemistry II  
Modern analytical  
techniques II  
Transition metals  
Organic chemistry III

# No practical assessment just core practicals



- “Tried and tested” activities to learn practical procedures, methods of analysis and preparative techniques
- Minimum of 16 activities
- Split between first and second year
- No lengthy practical projects going over several lessons
- As teachers we report to the exam board that you have done them with “routine competence”. No more than that! Report for A level only.



# What's the style of the exams?



- Mixture of question types- Short and long answer questions
- Questions ramped in difficulty through the paper
- Work covered in Core Practicals will be examined in ALL exam papers.
- At AS - two topic based papers
- At A level, Paper 1 and 2 - topic-based but Paper 3 will assess across the whole subject and have a practical focus; details of the CP tasks will be the context of a number of questions.



# Chemistry

## AS examination model

Paper 1	Paper 2
1h 30 mins, 80 marks	1h 30 mins, 80 marks
50% of AS	50% of AS
Inorganic and some physical chemistry, with some questions on core practicals	Organic and some physical chemistry, with some questions on core practicals

# Chemistry

## A level examination model



Paper 1	Paper 2	Paper 3
1h 45mins	1h 45mins	2h 30mins
90 marks	90 marks	120 marks
Inorganic and some physical plus AS topics	Organic and some physical plus AS topics	All topics – practical questions make up half the paper
30% of A level	30% of A level	40% of A level



***Is it difficult?*** Chemistry is challenging. If you achieve a grade 7- 9 in GCSE and follow guidance you can do well. You need a good understanding of calculating quantity.

***What's the work-load like?*** The amount of Individual Study varies. We **recommend** 40 mins private study for every 40 mins of lesson time.

***Do you use a lot of maths?*** Yes but it is not complicated. A good understanding of Quantity in Chemistry is needed. Mathematical models are used more in Yr 13 than in Yr 12.

***Are the exams hard?*** They are different to GCSE. You are expected to recall a lot more! Some students find the applied questions difficult. There is plenty of guidance given by teachers & exam resources are made readily available.

# Results 2023

Grade	%
A*-A	53
A*-B	73
A*-C	86

# Destinations 2023 Leavers

- ◆ The following are some of the degrees students from Latymer went on to be accepted on after studying A-level Chemistry.

Chemistry

Forensic Science

Natural Sciences

Pharmaceutical and Chemical Sciences

Foundation Degree (Pre-Pharmacy)

Pharmaceutical Chemistry

Chemistry with Industrial Experience

Chemical Engineering



The Chemistry Department

**Thank you for listening**  
**See you in September!**

