

Welcome to the Department of Chemistry at Queen Mary University of London

Dr Isaac Abrahams

School of Physical and Chemical Sciences



Bancroft Almshouses and School



T. H. Shepherd c 1850

Chemistry started in the dormitories of Bancroft School





Arthur Pillans Laurie (1861-1949)
Chemistry Master at People's
Palace
Technical School 1887-1889
Principal of Heriot-Watt College
1900-1928

Class Notes.

CHEMISTRY CLASSES. Teacher—A. P. LAURIE.

The Chemistry Classes have only met as yet three times, and it is almost too early in the session for us to say much about what has been done, and we shall therefore confine ourselves to describing what is going to be done, and saying something of the accommodation provided, and the classes arranged. The Trustees have not only converted an old dormitory into a lecture-room, but have also arranged a laboratory with separate fittings and apparatus for 32 students. Four classes meet here during the week, three for the study of Elementary Chemistry on Monday and Wednesday evenings and Saturday afternoons, and one for Advanced Chemistry on Tuesday evenings. Unfortunately, the word 'Chemistry'

Palace Journal 16 November
1887

VI.—*The Constitution of the Copper-Zinc and Copper-Tin Alloys.*

By A. P. LAURIE, B.A., B.Sc.

If instead of a simple metal, a mixture of two metals is introduced into a voltaic cell, the E.M.F. of the cell is that of the more positive metal. For instance, a mixture of zinc and copper will give the E.M.F. of zinc.

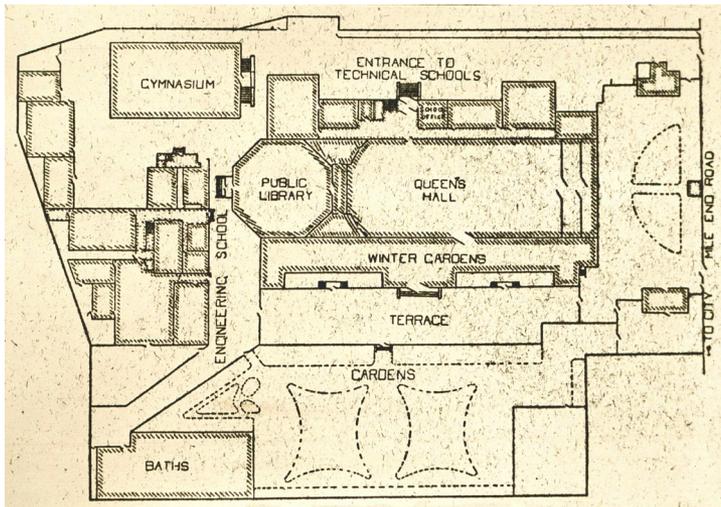
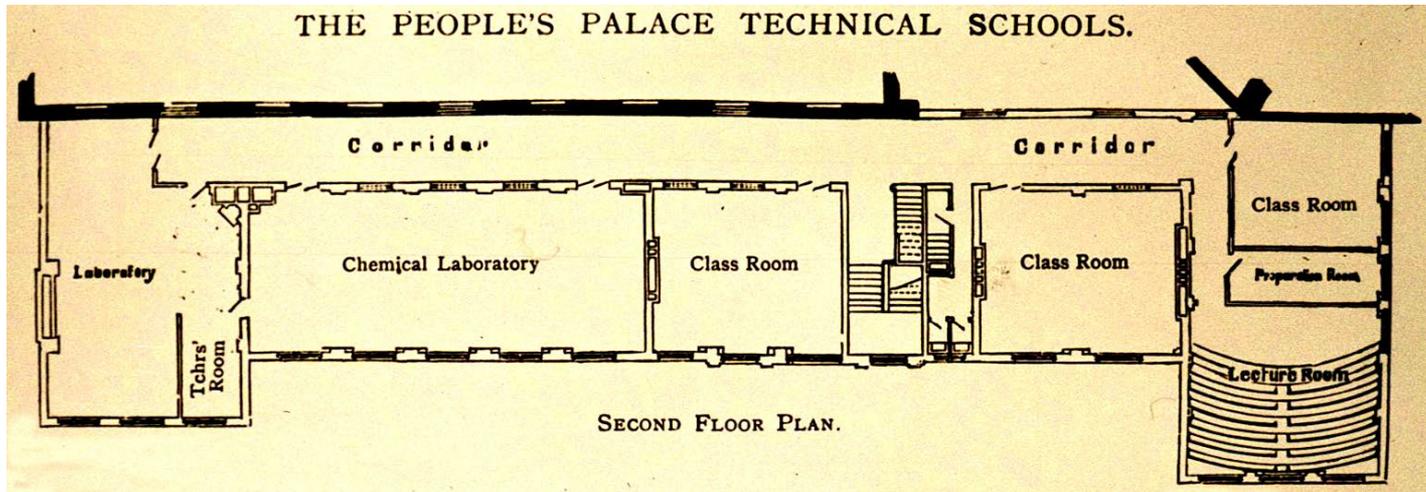
J. Chem. Soc., 1888,
104





Chemistry laboratory
1892





East Wing of Main Building

1900 plan





Duke and Duchess of York (later George VI and Queen Elizabeth)
in Chemistry 15 May 1928. Demonstration by Professor Partington.
No safety glasses !





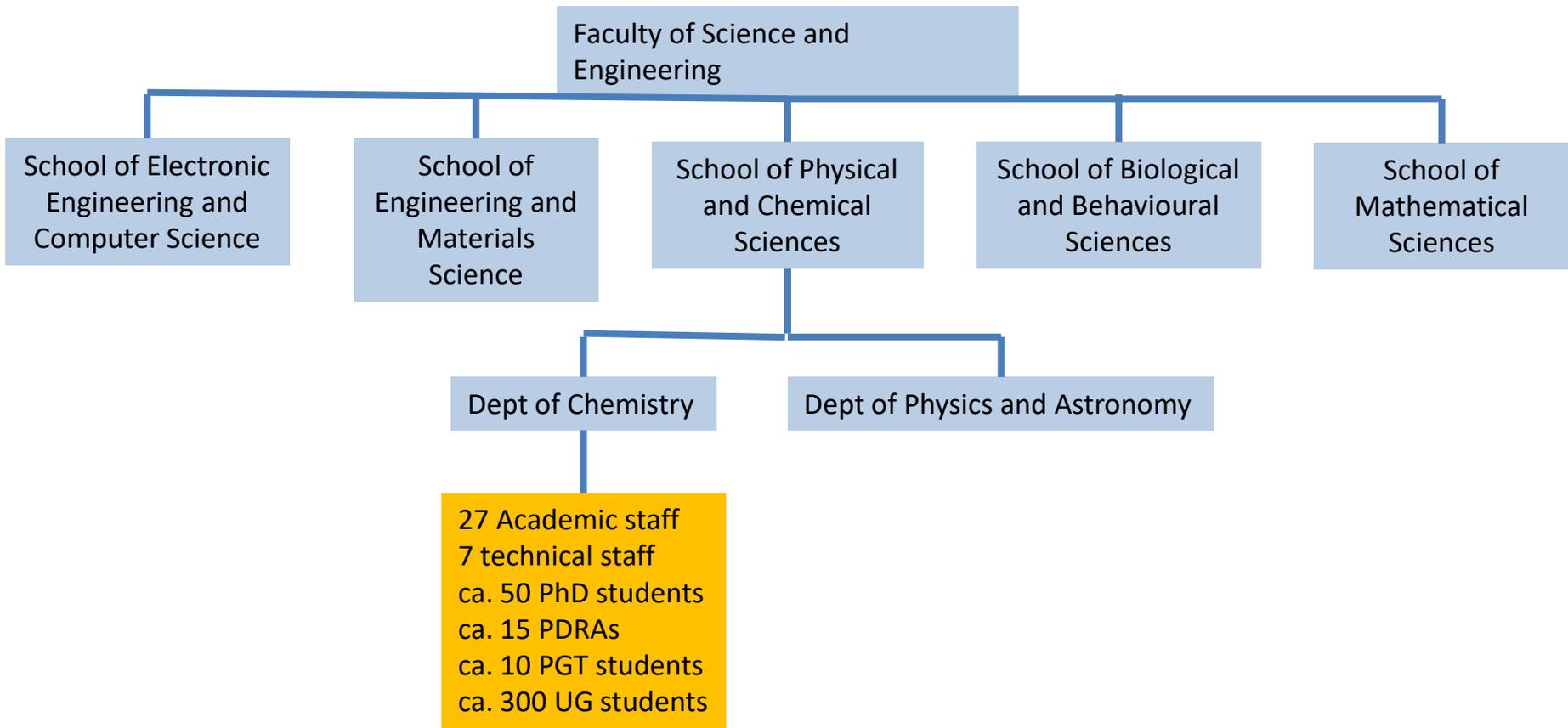
Joseph Priestley Building





Chemistry Teaching Laboratory 2018





We are here to help you achieve your potential!



Chemistry and Pharmaceutical Chemistry Programme Briefing

Dr Tippu S Sheriff

Director of Teaching and Learning



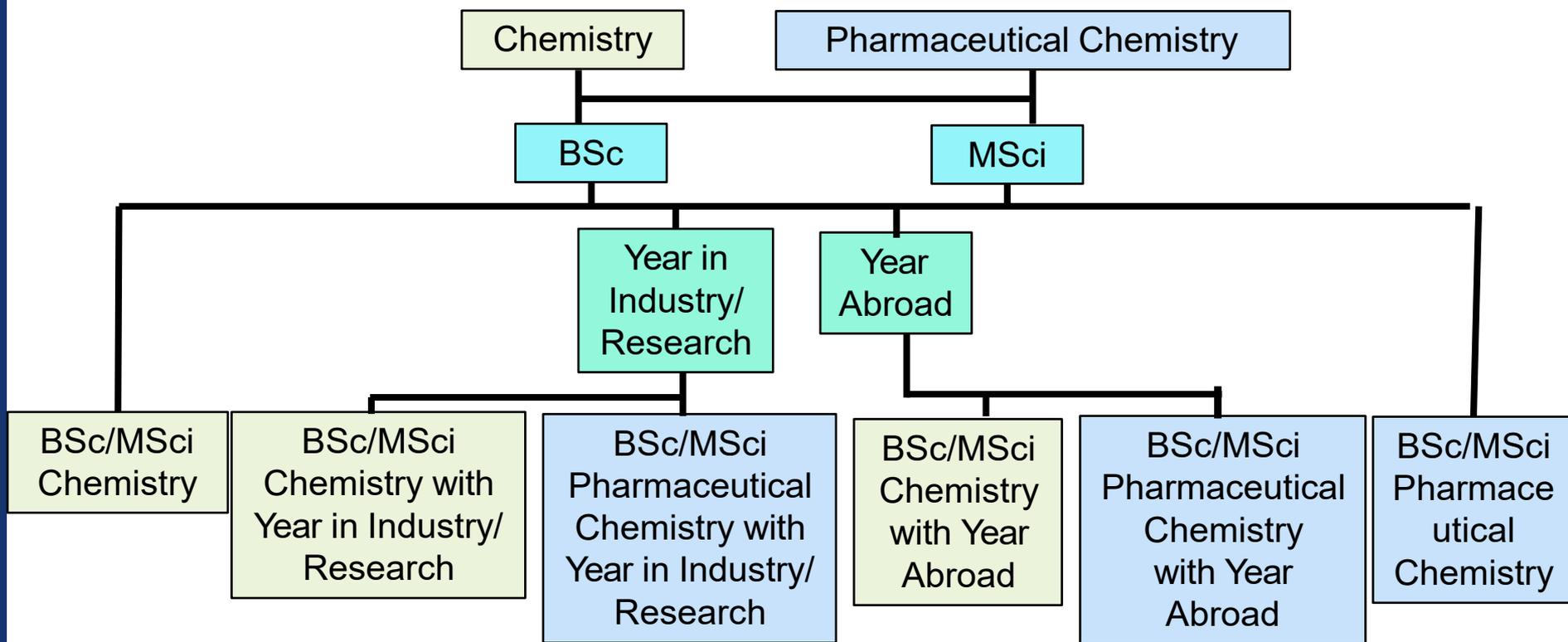
Are you in the right place?

Chemistry and Pharmaceutical Chemistry programmes:

- F100 BSc Chemistry
- F103 MSci Chemistry
- F154 BSc Pharmaceutical Chemistry
- F152 MSci Pharmaceutical Chemistry
- 9A32 BSc Chemistry with a Year in Industry/Research
- 2L22 BSc Pharmaceutical Chemistry with a Year in Industry/Research
- F10Y/F15Y BSc Chemistry/Pharmaceutical Chemistry with a Year Abroad

Undergraduate Programmes

- The Department of Chemistry has 2 UG programme streams Chemistry and Pharmaceutical Chemistry, as BSc or MSci degrees, each with a variety of options to give a total of 12 different programme.
- All programmes are accredited by the Royal Society of Chemistry (RSC).



Department of Chemistry at QMUL

East London College ca. 1890



Chemistry has been taught on the Mile End site since 1887, with a brief interruption in WWII when the Department located to Cambridge.

Chemistry consists of ca. 28 academic staff, 7 technical/professional services staff, 9 PDRAs and ca. 50 PhD students associated with the Department of Chemistry.



You are the Best...We are the Best

Congratulate yourself on choosing to study in HE and on gaining entry to one of the top universities in the world!

- QMUL part of the Russell Group.
- QMUL is a leading research-intensive university and was ranked 8th for Impact and 9th for Outputs in REF2021.
- Chemistry top in London for teaching.



**Chemistry top in London amongst
BIG 4 in 2018/19 and 2019/20**

Table 1: A comparison of NSS scores of the London BIG 4 for chemistry for the academic year 2019/20.

	The teaching on my course	Learning opportunities	Assessment and feedback	Academic support	Organisation & management	Learning resources	Learning community	Student voice	Overall Satisfaction
QMUL London BIG 4 Ranking	1st	3rd	1st	1st	1st	3rd	1st	1st (joint)	1st
QMUL	85%	77%	72%	79%	82%	84%	84%	79%	88%
UCL	82%	80%	64%	71%	67%	86%	75%	79%	79%
ICL	83%	80%	48%	70%	62%	87%	72%	62%	74%
KCL	71%	73%	49%	74%	50%	78%	82%	75%	73%

- NSS 2022: Overall Satisfaction of 90.4% (1st of BIG 4)
- NSS 2023: 88.9% in “Student Voice” (7th of 54 Departments)

What is the purpose of Welcome Week?

1. Getting to know your Department
2. Getting to know your Advisor and lecturers
3. Getting to know your course
4. Getting to know your fellow students

School of Physical & Chemical Sciences



Dr Lesley Howell
Director of Education



Prof Adrian Bevan
Head of School



David Boyle
School Manager

Department of Chemistry



Department of Physics & Astronomy



Department of Chemistry



Dr Isaac Abrahams

Head of Department



Dr Tippu S Sheriff

Director for Teaching and Learning (Chemistry)



Dr Giorgio Chianello

Senior Tutor

Department of Chemistry



Academic Staff



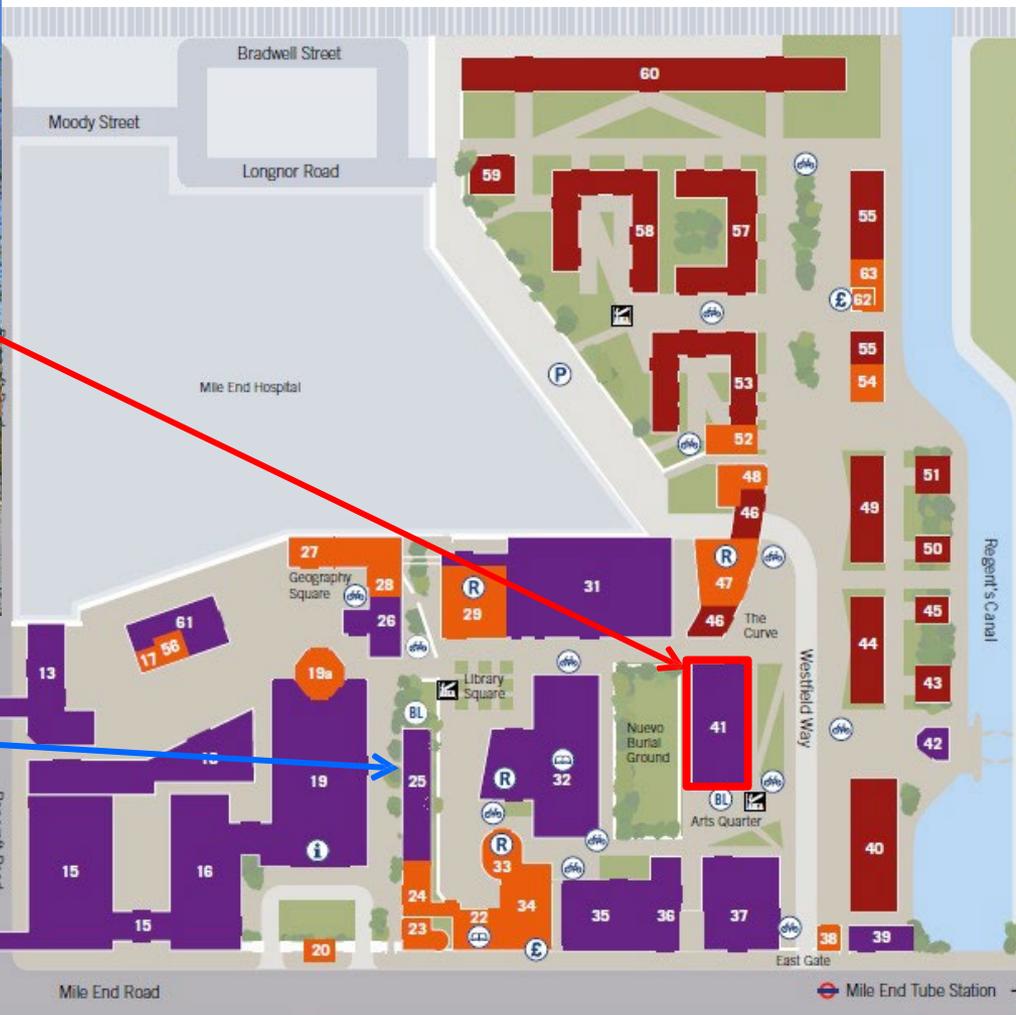
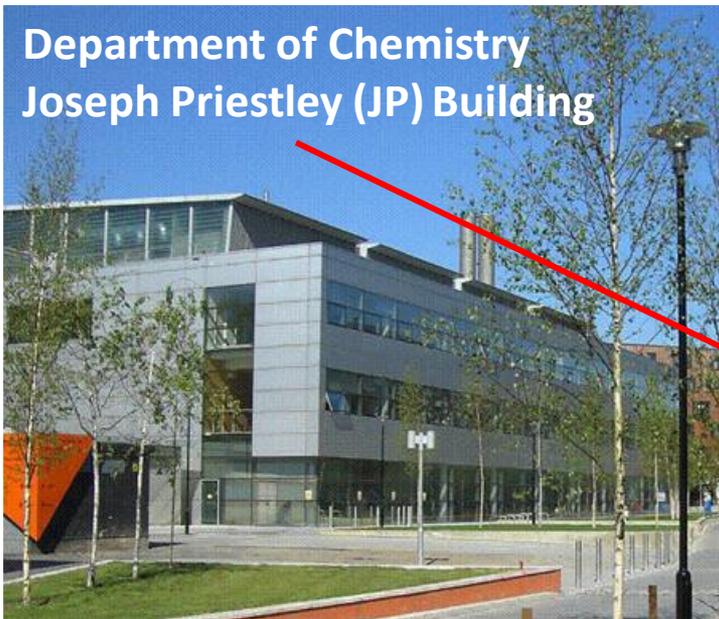
Technical Staff



Professional / Administrative Staff

School of Physical & Chemical Sciences

Department of Chemistry
Joseph Priestley (JP) Building



GO Jones Building
Administration (1st Floor)



Your 1st Year modules

		Programme	Credits							
			15	15	15	15	15	15	15	15
YEAR 1	Chemistry	BSc (F100/9A32)	CHE101	CHE100	CHE102A	CHE104	CHE113	CHE114	CHE108	CHE102B
		MSci (F103)	Foundations of Practical Chemistry	Essential Skills for Chemists	Fundamentals of Organic Chemistry	Fundamental Spectroscopy	Fundamentals of Inorganic Chemistry	Fundamentals of Physical Chemistry	States of Matter & Analytical Chemistry	Fundamentals of Organic Chemistry
	Pharmaceutical Chemistry	BSc (F154/2L22)	Semester A & B	Semester A & B	Semester A Examination	Semester A Examination	Semester A Examination	Semester B Examination	Semester B Examination	Semester B Examination
		MSci (F152)	100% CW	100% CW						

CHE101 is a CORE module. You cannot progress to the 2nd year unless you pass it. All experiments in CHE101 count towards your mark in CHE101; attendance below 75% is an automatic fail.

The Academic Year

Semester A				Xmas Break (3 weeks)	Semester A	Semester B			Easter Break (3 weeks)	Revision Week	Semester B Examinations May (4 weeks)
Induction Week A0	Teaching Weeks A1-A6 (6 weeks)	Week A7	Teaching Weeks A8-A12 (5 weeks)		Examinations Weeks B-1/B0 (2 weeks)	Teaching Weeks B1-B6 (6 weeks)	Week B7	Teaching Weeks B8-B12 (5 weeks)			

<http://www.qmul.ac.uk/about/calendar/> Dates are published until 2026

Y1 Semester A Timetable

Y1 (Semester A)	08:50-09:30	09:30-10:00	10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00	12:00-12:30	12:30-13:00	13:00-13:30	13:30-14:00	14:00-14:30	14:30-15:00	15:00-16:30	16:30-18:00	18:00-18:30	18:30-17:00	17:30-18:00		
Monday	CHE104 Fundamentals of Spectroscopy Banoroff 2.40 (A1-A6, A8-A12)						CHE113 Fundamentals of Inorganic Chemistry Geog. 1.26 (A1-A6, A8-A12)			CHE102A Fundamentals of Organic Chemistry Workshop Group 1 Banoroff 1.19 (A3, A5, A6, A11)		CHE102A Fundamentals of Organic Chemistry Workshop Group 2 Banoroff 1.13 (A3, A5, A9, A11)							
Tuesday	CHE100 Essential Skills for Chemists Banoroff 1.15 (A1, A2, A4, A5, A8, A10, A11, A12), Geog. 1.26 (A12)			CHE100 Chemical Workshop (Group A) Banoroff 1.23 (A4)		CHE100 Chemical Workshop (Group B) Banoroff 1.23 (A4)			CHE100 Maths Support Class Banoroff 3.40 (A1, A2, A5, A8, A10, A11)			CHE102A Fundamentals of Organic Chemistry Dispers' LT (A1-A6, A8-A12)							
Wednesday	CHE104 Fundamentals of Spectroscopy Workshop Fogg LT (A2, A5, A10, A12)				CHE101 Foundations of Practical Chemistry = HL Introduction (Groups A & B) Banoroff 1.13 (A1) (11:30-13:00), then JP G.22 for PPE		CHE100 Essential Skills for Chemists (A zone) 10-11, 11-12 or 12-1 Staff Offices / JPI.20 / GC Jones 516 / Graduate Centre GC103 / PL 401 & Banoroff 1.02.2 (10-12 ONLY) (A3, A6, A9)												
Thursday	CHE113 Fundamentals of Inorganic Chemistry Workshops Fogg LT (A3, A5, A9, A11)							CHE101 Foundations of Practical Chemistry HL Drop-in Banoroff 3.26 (A3, A5, A6, A11)											
Friday								CHE101 Foundations of Practical Chemistry (Group A) JP Lab G.22 (A1, A3, A5, A6, A11, A12); LS Online (A2, A4, A6, A8, A10) Lunch break 13:00-14:00									CHE101 Foundations of Practical Chemistry (Group B) JP Lab G.22 (A1, A3, A5, A9, A11, A12); LS Online (A2, A4, A6, A8, A10) Lunch break 13:00-14:00		



STAFF TEACHING YOUR SEMESTER A MODULES

CHE100 Essential Skills for Chemists



Dr Elham Rezasoltani (MO)



Dr Matteo Palma



Dr Tippu S Sheriff Maths Support Classes



CHE101 Foundations of Practical Chemistry



Dr Lesley Howell (MO) Mr Mark Hudson Ms Taslema Khanom



CHE102A Fundamentals of Organic Chemistry



Dr Stellios Arseniyadis (MO)



Dr Giorgio Chianello (MO)

CHE104 Fundamentals of Spectroscopy



Dr Christian B Nielsen (MO) Dr Stoichko Dimitrov



Mr Samuel Richardson

CHE113 Fundamentals of Inorganic Chemistry



Dr Cristina Giordano (MO)



Dr Isaac Abrahams

Assessment and Feedback

CHE100 & CHE101 (Semester A & B): 100% coursework

CHE102A

CHE104

CHE113

CHE102B

CHE108

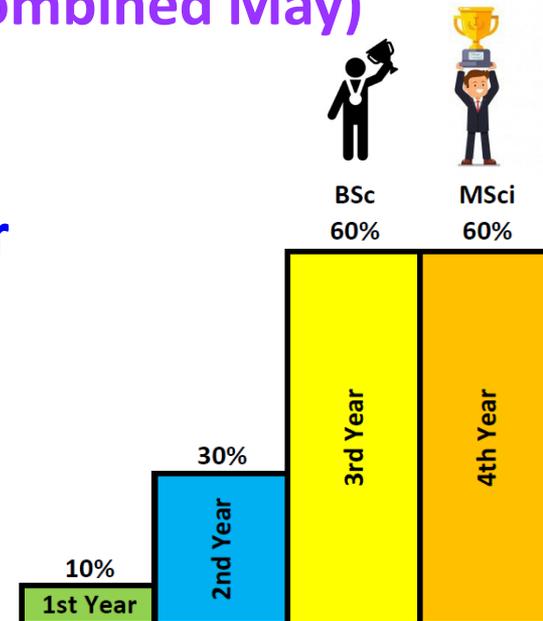
CHE114

40% coursework & 60% examination (combined January)

40% coursework & 60% examination (combined May)

= 8 × 15 credits (per module) = 120 credits per year

≥70%	A	1st
≥60%	B	2A
≥50%	C	2B
≥45%	D	3
≥40%	E	Pass
<40%	F	



The new undergraduate laboratory, a £5.2 million investment in your future (September 2018)



New Chemistry UG Teaching Laboratory Joseph Priestley Building, QMUL



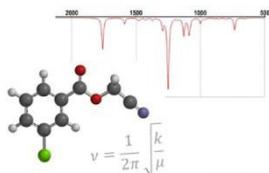
Laboratory



School of Biological and Chemical Sciences
(SBCS)

Chemistry Data Booklet

This booklet is issued at induction to new undergraduate students enrolling onto chemistry degree programmes. You should bring it along to all workshops and practical classes.



Version 1.26 (Aug 2018)

Provided

What should you bring with you:
Normal stationary,
calculator plus a
marker pen suitable
for writing on glass
and plastic

online

Lab Induction/Safety Briefing and Compulsory Quiz

Asynchronous – watch these videos and complete the Quiz before your 1st lab session in Week A1.

Synchronous – Wednesday 28th September, 11:00-12:30, Bancroft 1.13, then Joseph Priestley G.22 (ground floor) for PPE.



Lab Skills/Techniques Briefing

Asynchronous – watch these videos before 1st lab session in Week A1.

1st Wet Lab (Week A1, Lab JP G.22)

Thursday 28th September (Group A) or Friday 29th September (Group B)

Check personal timetable or CHE101 QMPlus page for your grouping.

Experiment 1: Discovery Approach to Extraction

Experiment 2: Practical Aspects of IR Spectroscopy

NO SAFETY BRIEFING = NO STARTING IN THE LAB (WEEK A1)

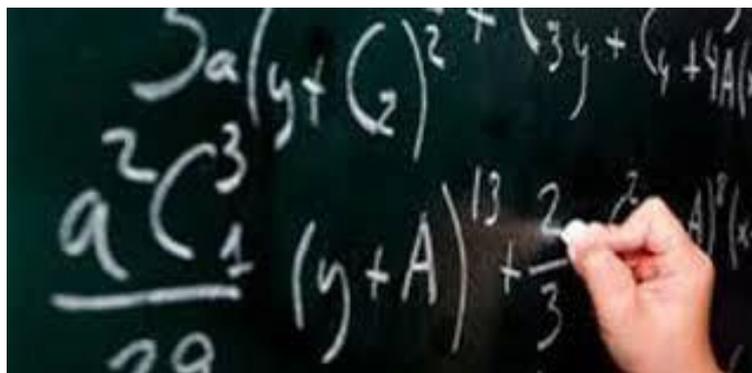
Life in the Department of Chemistry at QMUL

Academic Advisor

- Each student is assigned a personal tutor (**Academic Advisor**).
- Your advisor will be there to offer **help and guidance** throughout your time at QMUL.
- Advisors have an **administrative, pastoral and teaching** role, and will also normally write **references** when you apply for further degrees or for a job
- **Tutorial based system** – groups of 6-9 students runs throughout Y1 and Y2.



MATHS Support



Maths Support Classes for those without at least a C in A-level maths.

Wednesdays: 12:00-13:00 in A1, A2, A5, A8, A10, A11, Bancroft 3.40



“Dr XYZ” or
“Professor XYZ”

Be formal/professional in
ALL communications

Please arrange an
appointment by
email

Don't turn up
unannounced!

Module Coordinator

Advisor

Administrator

Lecturer

Examiner

Line Manager



Researcher

PhD Supervisor

Scholarship

Teacher

Your parents

What is your role as student at QMUL?

- A. Pilot
- B. Navigator
- C. Passenger
- D. Steward(ess)



Mentimeter

Go to

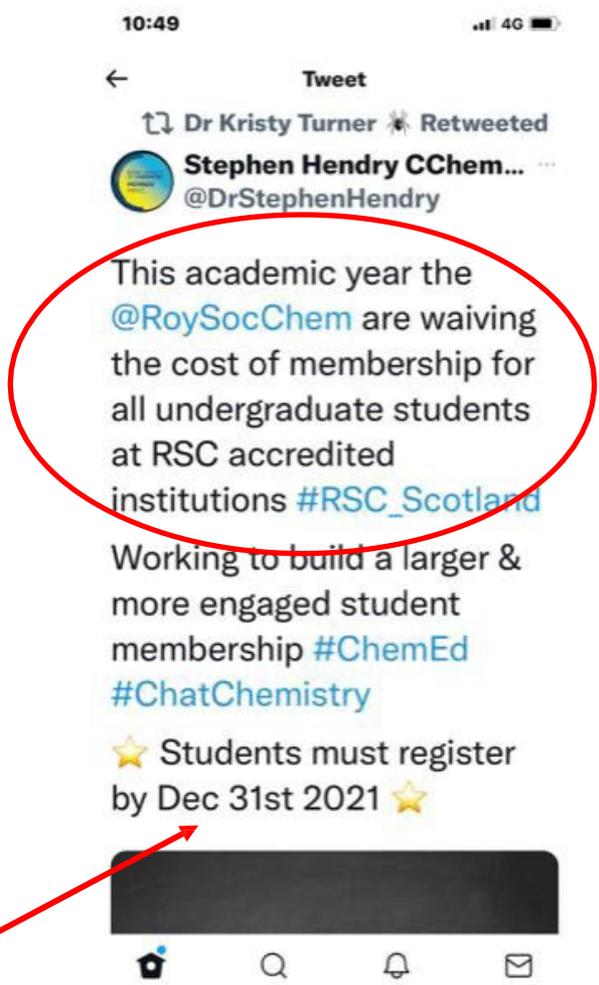
www.menti.com

and use the

code 56 58 68



Royal Society of Chemistry – your professional body!



and now 2023!

<https://www.rsc.org/membership-and-community/join/>

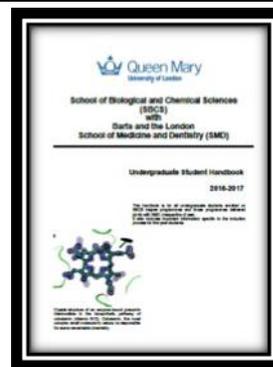




Know where to look!

Check your QMUL e-mail account every day!

Use the Student Handbook



Use QMPlus!



INFORMATION FOR CHEMISTRY STUDENTS

QMUL Chemistry

Welcome to your Department of Chemistry homepage



 [Link to SPCS: School Undergraduate Information Zone](#)

This page provides information for students on chemistry and pharmaceutical chemistry degree programmes offered by the School of Physical and Chemical Sciences

 [LINK TO CHEMISTRY WELCOME WEEK 2023](#)

Chemistry Programmes (ACCREDITED BY THE ROYAL SOCIETY OF CHEMISTRY)

F100 BSc in Chemistry (and Year in Industry / Abroad variants)	F154 BSc in Pharmaceutical Chemistry (and Year in Industry / Abroad variants)
F103 MSci in Chemistry (and Year in Industry / Abroad variants)	F152 MSci in Pharmaceutical Chemistry (and Year in Industry / Abroad variants)

Important Links

[Find your adviser](#) [EC Extenuating Circumstances](#) [Past Examination papers](#) [Chemistry timetables \(Semester A\) 2023/24](#) [Coursework Mapping Semester A](#)

Careers Networking Platforms

LinkedIn	QM network LinkedIn	LinkedIn Learning: Free online Modules & training
QM Careers Instagram	CV: Book an appointment	CV builder-Tools

[Find work-related opportunities](#)

 [INSTRUCTION: HOW TO INSTALL MICROSOFT OFFICE 365 AND CHEMDRAW TO YOUR DEVICE \(FREE FROM QMUL\)](#)

Module [Settings](#) [Participants](#) [Grades](#) [Reports](#) [More](#) 

Programme Information 	Advice & Guidance 	Chemistry Prizes 	Internships, Careers, Jobs & Personal Development 
Who's who in Chemistry 	Student Representatives & Chemistry Society 		

Engagement = success

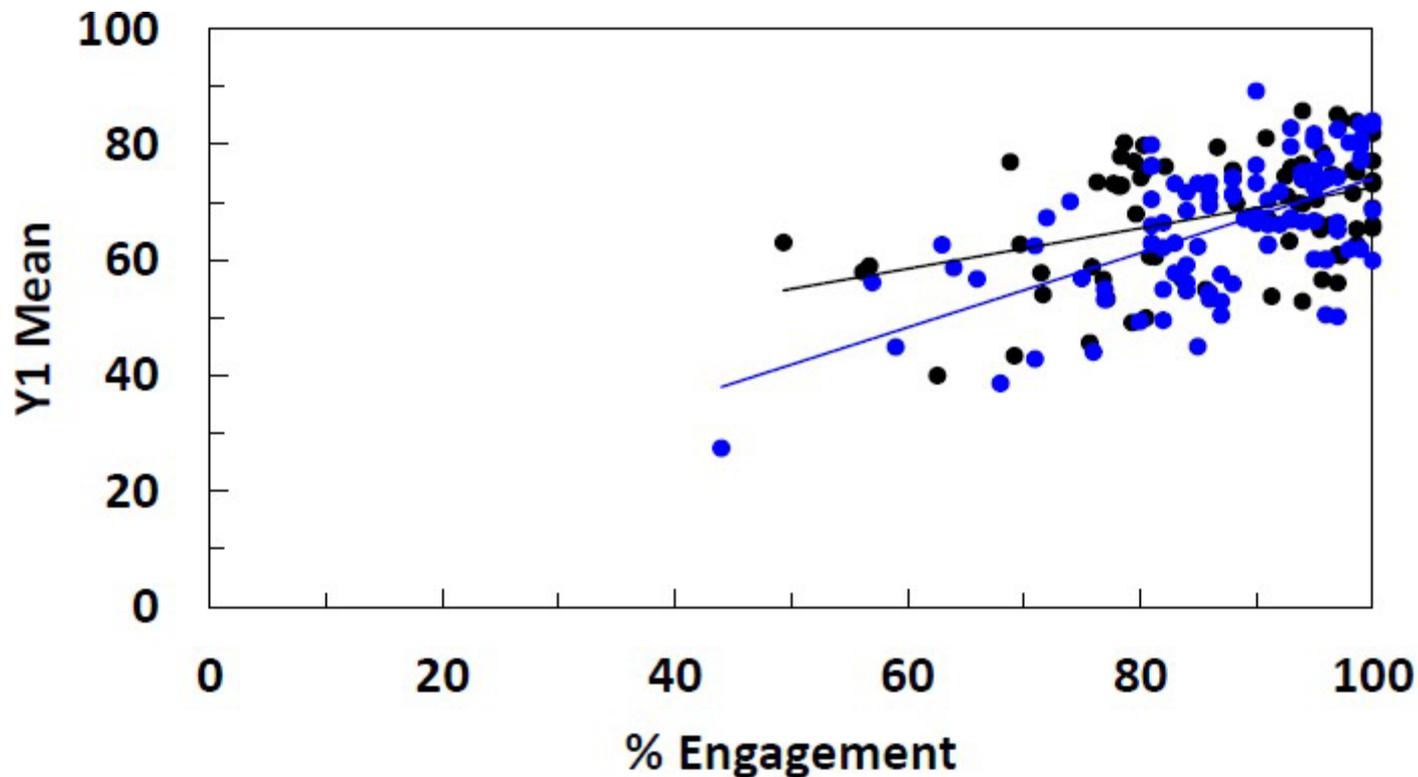


Fig. 2 Year 1 overall mean versus % engagement for the academic years 2017/8 (•) and 2018/9 (•)

Prizes for Students of Chemistry Programmes 2022/23

The School of Physical and Chemical Sciences is keen to recognise academic excellence and is pleased to announce the following prizes to reward outstanding performance.

College and School Prizes (listed by Academic Year of Study)

1st Year Prizes

Blair Hirst	SPCS Prize
Sophiha Srithar	OUP Achievement in Chemistry Prize
Laibah Abubakr	Department of Chemistry Prize

2nd Year Prizes

Azaan Hafeez	SPCS Prize
Ivan Manoz	SPCS Prize

3rd Year Prizes (MSci)

Benjymin Price	College Prize
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Graduating Student Prize (BSc)

Ashandhan Aravinthan	College Prize
Selin Kilic	Department of Chemistry Prize

BSc Experimental Project Prize

Mohammod Uddin	CM French Prize
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Graduating Student Prize (MSci)

Isabel Baskaran	CM French Prize
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Other Named and Donated Prizes for Graduating Students

These prizes are awarded to reflect achievement/excellence in specific aspects of chemical studies undertaken as part of a degree course:

Saffie-Marie Sufian-Kargbo	D.C. Bradley Prize for Project Work in Inorganic/Materials Chemistry
Zahra Abdirahman	Hickinbottom Prize for Project Work in Organic Chemistry
Artemis Webster	Prize for Project Work in Physical/Theoretical Chemistry



Placement Year at GSK

PhD student at Oxford University

Engaged Students!

PhD student at Roche in
student selected!



Winner of the SCI UK
Undergraduate
Research Symposium

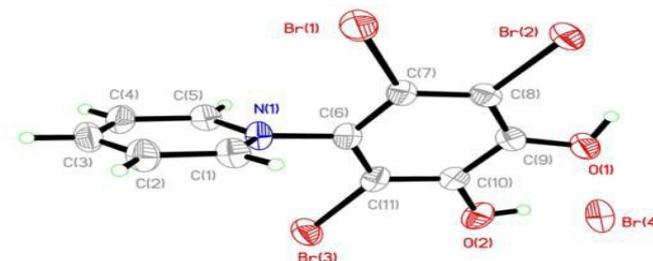
Selected by GSK to attend the
Residential Chemistry Experience,
as one of the 22 best chemistry
students in the UK



Amgen Scholars

Summer Internship 2015

Winner of a Poster Competition
at the University of Cambridge



BSc Project 2015-6

N. Bakewell, R. Thavarajah, M. Motevalli
and T.S. Sheriff, *New J. Chem.*, 2017, **41**,
15411-15419. DOI: 10.1039/c7nj02725g

BSc in Chemistry

September 2013 – July 2016

1st Class



School of Pharmacy

PhD, September 2016-2022

Getting a degree is a full time JOB!

- ❖ 8 modules x 150 h = **1200 h**
- ❖ ca. 30 weeks between the start of the academic year and the exams: **40 h per week of study time!**
- ❖ Classical term week:
 - 6 h asynchronous activity, 6 h synchronous, 6 h lab = **18 h**
 - **Independent study time: 22 h**
 - Review lecture notes, prepare for lectures
 - Practice: complete exercises and solve problems
 - Prepare for laboratory sessions and complete Results Book
 - Complete assignments

Life in the Department of Chemistry at QMUL

PASS

- Peer Assisted Study Support
- Course-based mentoring scheme
- Run by students for Students



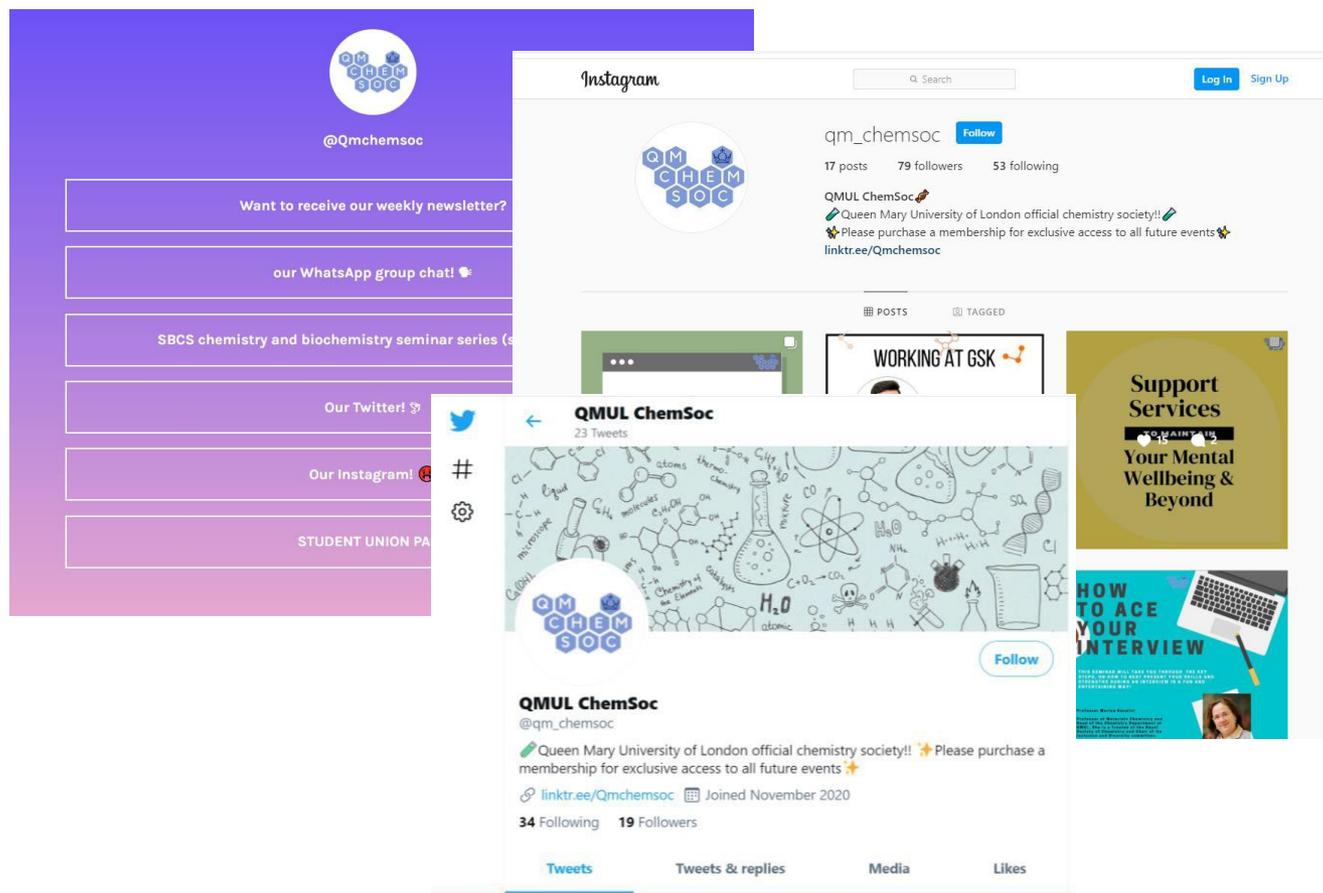
Life in the Department of Chemistry at QMUL

ChemSoc!

- [@qm_chemsoc](https://www.instagram.com/qm_chemsoc)



- <https://linktr.ee/Qmchemsoc>
- chemistrysociety@qmsu.org



QMUL ChemSoc
@Qmchemsoc

Want to receive our weekly newsletter?

our WhatsApp group chat!

SBCS chemistry and biochemistry seminar series (s

Our Twitter!

Our Instagram!

STUDENT UNION PA

Instagram
qm_chemsoc
17 posts 79 followers 53 following
QMUL ChemSoc
Queen Mary University of London official chemistry society!!
Please purchase a membership for exclusive access to all future events
linktr.ee/Qmchemsoc

Twitter
QMUL ChemSoc
23 Tweets
Queen Mary University of London official chemistry society!! Please purchase a membership for exclusive access to all future events
linktr.ee/Qmchemsoc
Joined November 2020
34 Following 19 Followers

Support Services
Your Mental Wellbeing & Beyond

HOW TO ACE YOUR INTERVIEW

Voluntary work at the University and in the local community

You can volunteer to be

- A student representative for your programme / year
- A student ambassador for chemistry e.g. at open days
- Help in outreach activities



The *Festival of Communities* provides children and their families the opportunity to get hands-on with chemistry experiments.

Get involved / SU Societies to increase your employability competences!

Textbooks, Library & Q-Review

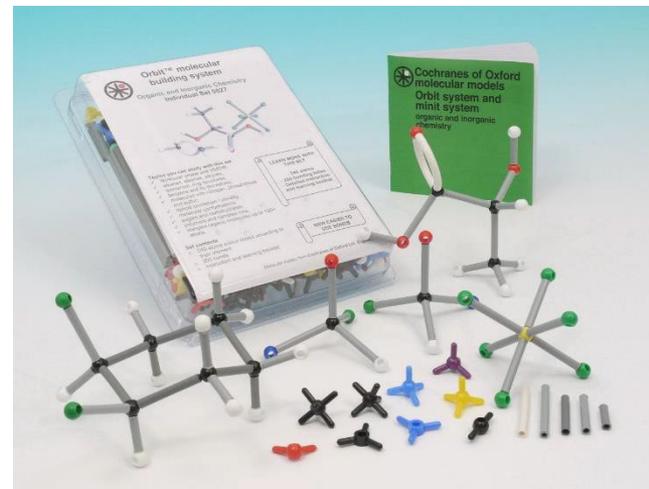
- It is highly recommended for you to have a look at the various different textbooks at the **library** before you buy any – no point in buying a book that is not made for you (you will never open it!).
- Lecturers may recommend textbooks through the year.
- Many books are available as e-books or can be obtained 2nd hand for a fraction of the full price.
- Tours of the Mile End Library are available; go to the Information Point to obtain a ticket. Library briefing as part of CHE100 in Wk A6.
- All synchronous teaching (live lectures) will be recorded and will be available to view from the module homepage on QM+.

Molecular Models

Models approved by the school:

Orbit Molecular Modelling Kit: Organic and Inorganic Student Set 0027 by Cochranes of Oxford

Minit Organic and Inorganic Student Set 0073 by Cochranes of Oxford



Available at the bookshop on campus or can also be purchased online.

Advice and guidance

- **First Point of Contact: Academic Advisor**
- **Chemistry Senior Tutor:**
 - Dr Giorgio Chianello: g.Chianello@qmul.ac.uk
- **Director of Teaching and Learning (Chemistry)**
 - Dr Tippu S Sheriff : t.s.sheriff@qmul.ac.uk
- **SPCS Student Support Officer:**
 - Mr Mason Newbury: m.newbury@qmul.ac.uk



Meetings can be arranged via an email appointment.

Don't turn up without prior arrangement.

Welcome Week Timetable

Time	Mon 18 th Sep	Tues 19 th Sep	Wed 20 th Sep	Thu 21 st Sep	Fri 22 nd Sep
10:00-11:00			Meet & Greet the Education Team 10:00 - 11:00 SPCS Museum GOJ	Students' Union Welcome Fair Mile End Campus Find out about clubs and societies, grab freebies and get involved in the SU. Thu 21st Sep 10:00 - 18:00	Students' Union Welcome Fair Mile End Campus Find out about clubs and societies, grab freebies and get involved in the SU. Fri 22nd Sep 10:00 - 16:00
11:00-12:00	Student ID Collection 11:00 - 11:45 The Octagon		Welcome to the School and Central Services 11:00 - 12:30 Skeel Lecture Theatre, Peoples Palace		
12:00-13:00		Chemistry Welcome Talk 11:30 - 13:00 Maths Lecture Theatre	SPCS Welcome Lunch 12:30 - 14:00 Drapers Main Room, Godward Square		
13:00-14:00	Meet your Advisor 13:00 - 14:00 Around Campus				
14:00-15:00	Orienteering Competition 14:00 - 15:00 Around Campus	Lab Workshop 14:00 - 15:30 GO Jones Lecture Theatre	Games in the Park 14:00 - 15:30 Mile End Park		
15:00-16:00		Intro to IT and Labs 15:30 - 16:30 202 PC Lab Queens' Building			
16:00-17:00					



UG Year 1 Chemistry only

All UG Students Physics and Chemistry

SU Events (All Students)



Chemistry@QMUL

Met your Advisor on Monday 18st September?

**Met your
Advisor yesterday?**

**IF NOT, PLEASE SEE
ME AT THE
CONCLUSION OF
THIS SESSION**

Department of Chemistry
Joseph Priestley (JP) Building



Welcome to and Overview of the Senior Tutor

Dr Giorgio Chianello





SCAN THE QR AND USE CODE
CATALYST100 FOR **FREE**
STUDENT MEMBERSHIP

BECOME A
MEMBER



Resources.
Support.
Connections.



Resources.

Attending University is a big investment in yourself. The RSC helps you get the most out of your education with tools to help you achieve.



**SAVINGS ON CORE
TEXTBOOKS**



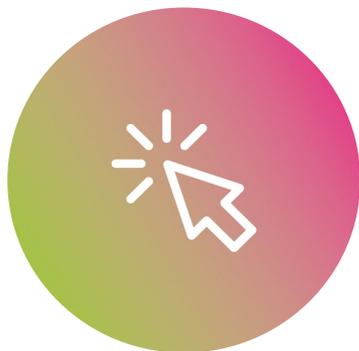
**ACCESS TO OUR
MONTHLY
NEWSLETTER**



ChemSoc SUPPORT

Support.

The RSC exists not only to advance the chemical sciences,
but to advance the careers and lives of its members.
We're here to help you shape the future.



**TRACK YOUR
ACCOMPLISHMENTS**



CV GUIDANCE



**CAREER PLANNING
SUPPORT**

SCAN THE QR AND USE CODE
CATALYST100 FOR **FREE**
STUDENT MEMBERSHIP

BECOME A
MEMBER



Resources.
Support.
Connections.



Connections.

Expand your knowledge by growing your network. Joining the RSC means taking your place in a global community of over 50,000 members.



BY TOPIC



BY LOCATION



**AT YOUR
UNIVERSITY**