

OCTOBER 2021 ISSUE 1

The Pipeline

A STUDENT APPROACH TO THE MAIN STAKES OF CHEMICAL ENGINEERING

First to Fourth Year

TIPS FROM A CHEM ENG VETERAN

STUDENT BUDGETTING/ GUIDE TO LONDON / RECIPES/TEDIOUS TUBE

Editor's Note

It is a great honor for me to be joining the Pipeline team this year! I am extremely excited for all that is to come with the paper and I truly hope to build a great paper.

Although the Pipeline has existed for a long time, it has never reached its full potential. Hence, my goal this year is going to be to relaunch the Pipeline so as to increase its readership. To do so, the Pipeline has been redesigned and restructured and, finally, a real cohesive team is working on the project! At last, the Pipeline will target students, more specifically chemical engineering students, and make something that interests them by writing articles that aren't pretentious by understanding our limitations, as we are neither researchers nor reporters and understanding what we have to offer. Our aim is to bring something new to the table by giving a student approach to the main stakes of chemical engineering. Each Pipeline will follow the same four sections structure: seasonal update, scientific articles, fun section, administrative section.

Whether it be freshers, spring or summer, the first segment will contain advice regarding that season and will accompany students in their studies and integration within the department. In the second section, one will find anything from interviews of alumnus, company descriptions to opinionated articles around the issue's theme. For all who are not interested in scientific articles, the third segment is for them, it will contain games, memes, student recipes and many other fun bits and bops. The final section is here to help one stay organized and in the loop regarding all chemical engineering events that have and will happen within London as well as within the department!

I hope you will enjoy this first issue of the Pipeline made under my direction. Happy reading!

A handwritten signature in black ink that reads "Berylle Hermot". The signature is fluid and cursive, with a large initial "B" and a stylized "H".

The editor

Omar's Note

Hello! I am delighted to be taking over as Head of Department in October of this year!

As some of you might know, I am originally from the Middle East, and I came to Imperial many years ago (let's just say way pre-Google!) to study chem eng. It was a very different Course in those days: not nearly as much chemistry as there is now, hardly any bio, and quite a bit of maths, mechanics, and even, would you believe, a short module on electrical engineering!

Imperial was my number one choice, as you can imagine; I had also applied to Queen Mary to study astrophysics but quickly decided on chem eng, which was a really good fit for me. I spent four happy years in the Department and some of the friends I made on the Course remain some of my best mates. In my third year, I decided to do a PhD and got an offer from Princeton University.

I was keen to visit the US and to see what an Ivy League university had to offer.

I wrote my thesis on the fluid mechanics of interfacial flows with surface chemical effects and was lucky enough to secure a lectureship in the Department which I started a few weeks after my thesis viva. It felt a little weird to be back as lecturer here mixing with the people that were my teachers who had become my colleagues; that took some getting used to! Over the years, I did a number of jobs in the Department, e.g. First Year Chairman, Admissions Tutor, Director of UG Studies, and Director Research. I've always felt at home in the Department, and always loved being here. As HoD, I intend to spend the next five years working hard to make you feel the same way I do about this place. I can't wait to get started!

Omar Matar

The Head Of Department

Paul's Note

Hello Everyone!
Welcome to Imperial / Welcome
back to Imperial!

You cannot know how happy we are to see actual physical students back in the college. It has been mega strange trying to interact with you over teams etc in the last couple of years (my word, Just Eat has had a lot of the department's cash...) but hopefully, slowly, we will be trying to get back to some sense of normality.

I hope that all of you have been vaccinated and encourage any of you that have not been to go and get vaccinated, which will help us to be able to put on more events! Please feel free to come to any of the Soc committee with event suggestions and thoughts as to how we can work together during what is going to be quite a strange initial few weeks.

Cheers,
Paul

Ellen's Note

Welcome back to ChemEngSoc revamped! An especially warm welcome to all the newbies joining us. If you don't already know me, my name is Ellen and I am Chairing this ChemEng Ship through the treacherous seas ahead, trying to balance the murky waters of COVID and keep the department the best for student experience in the UK. The offerings look to be good this year with a large mix of in person and virtual offerings for every taste. I am especially excited for our virtual Freshers Week Mingles event and will hope to see many of you there.

There will also be opportunities to meet in person with Lazer Tag and lots more in the plans. I am told there will be lots of competitions, so, game faces on! We are excited to have you onboard with ChemEngSoc for the best 2021/22 experience of any society. If you would like to get involved with planning and running some of these fun events, we encourage you to sign up to our subcommittees.

From a very proud Chair,
Ellen

The Pipeline

OCTOBER 2021 ISSUE 1

SEASONAL UPDATE - FRESHERS

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Taking the tube can be difficult at the best of times, let alone if you're

new to London (or if you've been away for, I don't know, a global pandemic!). The tube map is about as easy to read as the pilot plant's P&ID, commuters are rushing from A to B whilst tourists dawdle, and once you finally get on top of things TFL decide it's time to close an entire line for maintenance. Fear not, however, as we've compiled a few tips and tricks to help you get to those 9am lectures on time.

The Metropolitan Railway opened in 1863, the first underground railway in the world. Now, over 1.35 billion people use the 402km underground network each year. Unsurprisingly, the tube has become a core part of London culture, and has become one of the most iconic forms of public transport in the city. No doubt you'll find yourself minding that gap at least a few times this coming year, so here's some rather common-sense but important things to remember:

Tedious Tube

A short and comprehensive guide to using the London Underground

By Nathan Forshaw

Wear a mask! (unless exempt, of course).

Give up your seat to those who may need it. Often those who really need a seat will wear a badge issued by TfL, so it's worth keeping an eye out if you are sitting on a busy train.

Take your backpack off! Nothing is more annoying than being on a packed train and someone is obliviously hitting everyone with their bulky rucksack. Let people off the train before you get on.

Along a similar line, if you're standing right inside the door and people need to get off, there's no harm in stepping onto the platform, people aren't going to rush in and steal your spot.

As a rule of thumb, walk on the left, that's our default side for walking so we don't run headfirst into each other. On escalators, stand on the right so people in a rush can get past.

Move down platforms and move down carriages when it's busy. This just helps to keep things less crowded and increases your chance of being able to get on the next train.

In addition to common etiquette, there's a few tips I've picked up over the years which may come in handy.

Always check the TFL status before you travel! Often entire lines can be closed for maintenance, and warning is usually given around stations beforehand, however certain sections may close without warning if there's signal problems or other incidents.

If a train is packed, it's generally worth waiting for the next one ("very often a packed train is followed by a near-empty one"-Socrates, maybe).

There's little point using the tube within central London, everything is generally so close together that walking or using the bus is quicker and cheaper. Cycling is also often faster and cheaper if you're comfortable using a bike on the road.

The tunnel under South Kensington is generally quicker since you don't need to wait for traffic lights, though you miss out on the beauty of the Albertopolis (The area around campus and the museums is genuinely called this).

As a previous resident of Xenia halls, I swear by embankment station. It may not be all that faster, but the walk over the river, avoiding the jubilee line and not having to go through the tube's busiest station, Waterloo, is 100% worth it in my humble opinion.

There usually is a night tube service on some of the main lines (Victoria, Central, Jubilee, Northern and Piccadilly), however it has been suspended due to COVID. Once it does return though, it can be a life saver after a good night out.

Oyster cards and contactless work on national train lines, not just the tube, within a reasonable distance of London.

If you take the same route every day (and are a nerd like me), you can memorise where to stand on the platform so that you can get on the train at the exact door that opens closest to the exit/interchange at the next station.

If you're going further afield, there's a ton of websites that will automatically find the cheapest price by splitting your fare (sometimes two tickets work out cheaper than one, as it turns out). Just google "split fare train ticket" and give it a try.

If you do plan to commute on a regular basis, whether that's to uni or clubbing, it may be worth getting a travelcard. By registering for a student oyster you can save 30% off bus & tram season tickets and tube travelcards. Happy travels and may the good service be ever in your favour!



Tips from a Chem Eng Veteran

In four weeks—from the time of writing—I'll be in the Royal Albert Hall graduating with a First Class Honours degree; it will be a spectacular celebration of success. Reflecting on the four years leading up to Commemoration Day, however, I see a series—not a sequence—of dark periods of confused struggle, each punctuated by bright moments of realisation. I am certain that many, if not most, students in this course experience bouts of doubts, darkness, and despair similar to my own. I'll use this article to compile and share my insights on achieving academic success, hoping they will illuminate your path as they eventually did mine.

1. Structure your thinking

Staying organised is a bit of a lifestyle in that it requires a constant cycle of identifying, phrasing, rearranging, and evaluating your thoughts—it seems hard, but its benefits are tremendous. Structured thinking, founded on clarity, enabled me to work effectively, to diagnose problems efficiently, and to escape the disorientation of seemingly endless tasks.

Here are two good places to start developing this skill:

Learn to write clearly. Use your lab reports, your problem sheet answers, even your emails as practice, pruning and re-writing your prose until it is as clear and concise as possible. Good syntax can go a long way: rearrange your phrases until the meaning flows like water in a stream. If your text can be understood at once by someone with only

limited background knowledge, it passes the test. Generally, we engineers are prone to assuming that the quality of our writing is irrelevant, trusting our ideas will float on the soundness of our calculations; nevertheless, this tragic fallacy keeps us from improving how we communicate these very ideas, and by extension how we structure our thinking. Plan your work. When you have multiple tasks to complete, write them all out and begin organising: sort them by type, prioritise them in order of importance, allocate them to the time available. You can do this on all timescales, from the next five minutes you'll use for emails to the next five weeks you'll spend revising. Moreover, although many tasks have an obvious finish line, most don't, which is why it is essential to lay out clear-cut objectives and milestones, to help you gauge your progress.

By Aris Mornto

2. Act strategically

On the note of prioritising tasks, it is often useful to employ foresight: assign a higher urgency to the tasks that will yield the greatest potential benefits. For instance, if you are struggling with learning two new skills, spend more time mastering the one that will be more useful in the future (e.g., Matlab, which you will use throughout your degree). Similarly, if you are finalising two projects with similar deadlines, spend more time refining whichever has a greater impact on your year grade (check the UG handbook for the weightings). In short, not all hard work is worth the same, so think ahead before deciding what to work on.

3. Make a start

More than once during the degree, I had to confront mountains of work that seemed too steep to scale. In these situations I would become paralysed, avoiding my work until I had mustered the mental willpower to begin (which often came hours after the realisation).

If—when, rather—this happens to you, make your plan, allocate your time, and simply start climbing. It takes significant mental effort to override the instinct of staying paralysed and to overcome the anxiety of finishing in time, but it is a necessary effort. In fact, any path to success will require a beginning. Plato's *Laws* (book 6, section 753e) encapsulates this in a wonderful phrase that has become a proverb: "the beginning is the half of the whole" (paraphrased from Greek).

4. Understand in depth

It is best to understand newly learned concepts deeply in order to use them as sturdy foundations for further learning. If you can explain a concept in plain and succinct language to a peer who doesn't grasp it fully, you have understood it well—especially if you can answer their most basic questions.

Unfortunately, I could never rely on reading over things once to reach this level of internalisation. On the contrary, I had to re-read the material, look for additional sources (books and sometimes YouTube), make detailed notes, go through countless examples, and sometimes discuss it with friends to internalise anything. My advice is that you should—especially whenever strategically prudent—undertake that extra effort, considering it an investment in your future studies.

5. Test your knowledge

There's a lot that I don't know I don't know—to put it differently, there are gaps in my knowledge that I am not aware of.

For me, the way to discover and often fill the gaps is to answer literally every question that comes my way (or at least to try). Problem sheets and worked examples are the obvious places to start, but there are questions all around us. Whether asked rhetorically by a lecturer, overheard from a nearby lunch table, or stumbled upon while contemplating something entirely different, questions are great places to pause and think, and potentially discover those pesky gaps. Next time you feel tempted to ignore a question, ask yourself: "do I know everything I don't know?"

6. Ask questions

Having covered answering, it's time to discuss the more delicate art of asking.

Imagine you're in a lecture and a new concept seems to have appeared out of the blue, without explanation; you think of raising your hand to ask what this is and where it came from. No one else is raising their hand—you hesitate: if the lecturer mistakenly assumed the cohort is familiar with the concept, your question would help everyone escape confusion; if, however, you happened to miss the sentence where this concept was effectively introduced, you will have to endure being reminded the obvious in front of your peers.

'The beginning is the half of the whole' - Plato

Should you ask? I say you should. That said, take a moment to think before asking. First, make sure you've tried answering on your own. Second, ensure your question's phrasing is clear and concise; it helps if you explain the mental steps that led you to not understanding. Finally, read the signs: if you notice you've asked ten questions in the past four minutes, maybe write the next few down and ask after class or during office hours.

7. Play well in a team

Group projects will comprise a significant part of your studies at Imperial, but they will eventually comprise the entirety of your professional career (unless you become a solo artist). Use this as an opportunity to experiment and develop into a great team player.

There's obviously too much to cover in detail here, but here are some basics: be eager to initiate discussion, be actively inclusive, speak up and make yourself heard, be genuinely open to change your opinions, be willing to admit your mistakes, be considerate to struggling teammates, try to match people's skills with their roles, don't be afraid to lead if the team is paralysed by headlessness, raise issues openly but diplomatically, and my personal favourite: keep the quality of your work at high standards before expecting others to do the same.

8. Have a life!

What is the point of getting your name on the Dean's List if in doing so you have let your hobbies stagnate, gotten out of shape, made no new friends, and allowed your mental health to deteriorate? Always strive to excel in more than just

academics, and do your best to make your time at Imperial memorable for reasons other than the long hours at the library.

These fragments of advice are the product of four years of challenges I overcame to reach one of my goals: academic success. Your goals—be they similar or different—will also challenge you, and I hope you can profit from my advice in your fight to attain them.

HOW TO get back into WORK

This article focuses on some hints and tips on how to get back into work/studying after summer. Now it might depend on what you have been doing over summer in terms of the best advice to get back to work so I have split the advice up into different sections.

By Faith Marsh

Welcome back to Chem Eng everyone! Also, a special welcome to all our new students joining us this year.

If you would like some help with your routine or anything else related to your wellbeing, please get in touch. I can provide you with confidential support and advice I have some great resources available and will also be running some events throughout the year. I am also the Departmental Disability Officer so the first point of contact if you need further support with any reasonable adjustments. For Autumn term I am running

appointments via Teams, over the phone or some days each week face to face in the office. Please also feel free to call or email me on +447821856848. If you feel more comfortable you can

also Whatsapp message me on the above number, I will reply during working hours (normally Monday-Friday 9am-5pm).

If you TOOK THE SUMMER OFF

Good to hear that you had a break! Give yourself time to adjust to your new environment and routine, it may take a few weeks to feel settled. Try not to put too much pressure on yourself to do lots of new things all at once, gradually add things into your new routine to mean it is more likely you can stick to it.

Do check your schedule and calendar of anything that you need to attend. Then you can fit other plans around this.

If you DID AN INTERNSHIP

It may be that you had a similar routine, in which case coming back to working again might be easier! If you have not had any break, I would suggest making sure that you do give yourself some time off in the evenings or weekends so that you do not feel too tired. If your internship or work routine was different hours then slowly (over the first two weeks) try to bring yourself back to the schedule that will work for you.

GENERAL TIPS

Do try and eat breakfast before any morning labs or lectures!

Having a good sleep routine is key and this can also help with planning. Ideally it is good to go to sleep and get up around the same time each day if you can.

If you are finding it hard to stay motivated, try the 5 minute motivation trick. Set a timer for 5 minutes and try to focus on working for that time without any distractions then take a break. Repeat for another 5 minutes if needed.

Where To Find Key Information

We understand that there's a ton of information you need to take in right now and over the next couple of months, and some details are more important than others. That's why we've tried to simplify the 'need-to-know' information with you and make it easy to find. We recommend saving these pages in your bookmarks/favourites so that they're easy to find in future if you need to double check something.

By Sarah West

College COVID-19 status and response, where you'll find the latest updates on COVID-19: <https://www.imperial.ac.uk/about/covid-19/covid-19-status/>

Imperial College London student guidance on COVID-19, where you'll find updated guidance on a broad range of topics: <https://www.imperial.ac.uk/about/covid-19/students/>

Department of Chemical Engineering additional guidance on COVID-19, where you'll find local safety measures for the Department in addition to the College-wide measures above: <https://www.imperial.ac.uk/chemical-engineering/for-staff/covid-19-updates/>

Specific details about how the Chem Eng Autumn Term 2021 will run: <https://www.imperial.ac.uk/chemical-engineering/courses/autumn-term-2021/>

Details of how to access student support in Chem Eng: <https://www.imperial.ac.uk/chemical-engineering/people/student-support-/>

Chem Eng Instagram, where we also post updates or reminders (plus other stuff!): <https://www.instagram.com/imperialchemeng/>

Please also keep an eye out for the weekly or fortnightly Chem Eng Bulletin which will contain important updates and information, alongside other news happening in the Department. You can find an example of the bulletin here: <https://impchemengineering.newsweaver.com/102ev56o5q/14bj2taqej>.

STUDENT BUDGETING

Your guide to living away from home

Living in London

First time living on your own? Been virtual for so long, forgotten how much you used to spend? Let me give you the low down on living in London as a student on a budget.

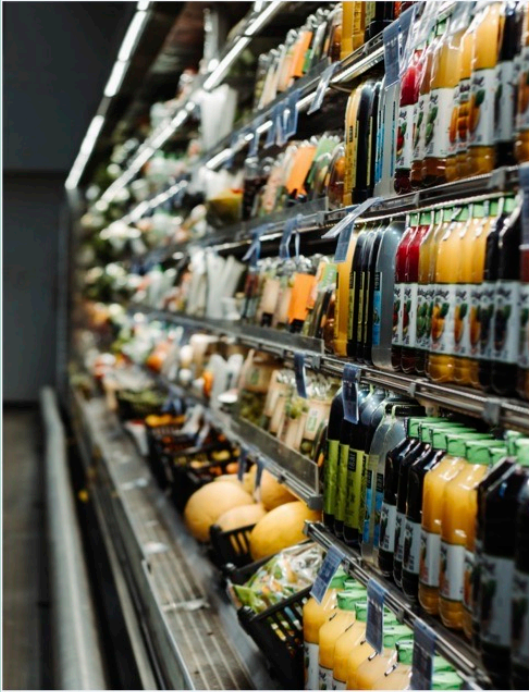
Let's start with the payments you cannot avoid such as utility bills. As much as you may spend time plugging in all your gadgets into the library sockets to charge up all your devices before you go home you will still need to pay electricity or gas to power hot water, lights, ovens, Wi-Fi, or anything else really. Even if you are in halls at the moment, it is good to have an idea of these prices as bills included in accommodation is a luxury and often more expensive in later years. I will list the essentials here but also consider getting stuff like contents insurance to give you peace of mind.

<i>Utility</i>	<i>Provider</i>	<i>Average price per person / month</i>
<i>Gas and Electricity</i>	Octopus Energy	£18.00
<i>Water</i>	Thames Water	£22.00
<i>Wi-fi</i>	Community Fiber	£13.75
<i>Phone Bill (SIM only)</i>	Three	£8.00
Total		£61.75

By Ellen Player



These bills can also vary depending on the house you have and how many people you share it with. Most students spend between £600-800 per month on bills and the price often varies with location. The most affordable area to live in tends to be south of the river but many students opt for an in-between location such as Hammersmith or Fulham. This gives them quick and convenient access to the nightclub Slug or 'The Redback' as it is now called which hosts a cheap student night after sports on a Wednesday.



If you live near Imperial travel costs can be kept to a minimum as you can walk in and everything you need is close by. However, accommodation is much cheaper further away from the college so most people go further away in the second year. As such the next cheapest ways are for the fitter students amongst us these are the options of running or cycling.

So what about food, hobbies and other fun activities? Well, these costs are very variable depending on the person and lifestyle. If you want to keep costs down the best way to handle food is by cooking for yourself this will set you back around £20/30 per week or less if your nifty. Alternative apps are available if you cannot cook all the time such as 'Olio' (an app where people share free food and items often given away by shops as they are approaching expiry) and 'TooGood To Go' (an app where restaurants/shops offer meals or mystery bags at a discounted price to clear stock at the end of a day) however I tend to find these unreliable if you are a person who likes to plan ahead. It also is fun to check out some of the amazing restaurants and treat yourself while you are here in London such as Yori Clapham Junction a lovely Korean BBQ style restaurant or Timmy Green where you can head for bottomless brunch before wobbling your way around the palace and surrounding parks.



Cycling is not free however as you must pay for the bike, Santander bike student memberships cost £67.50 for a year which is fairly reasonable, please ensure also to buy and wear a helmet as cycling in London is very dangerous as much as it is enjoyable. Finally, you have the option to use public transport busses are very affordable from £1.50 per ride however they tend to be slower than tubes to get from A to B so make sure to set off in plenty of time.

Finally, hobbies, this is up to you my biggest non rent expense in my first year was playing lacrosse. This included my fees for membership which has since been changed to an Imperial athletes fee for all clubs so you will have to check it out on the union website. Then there are additional costs for transportation to matches, equipment costs and also not to forget the Tours.

MY FAVORITE RECIPE

TOAD IN THE HOLE

By Nathan Forshaw

INGREDIENTS

2 Sausages
tbsp oil
120g flour
2 eggs
250ml milk
salt

GRAVY

tsp butter
1 onion
tsp flour
tsp sugar
200ml stock (I would
make this using an oxo cube)

EQUIPMENT

Baking tin
Mixing vessel of some sort
Mixing utensil of some sort
Knife
Cutting board
Frying pan
Wooden spoon

Preheat oven to about 473 Kelvin (200 C).
Add sausages to the baking tin
with the oil and pierce the sausages with a
fork to prevent a sausage bleve.
Place the sausages into the oven on the
middle shelf to start cooking whilst you
make the batter.

To make the batter, combine flour, eggs and
salt and mix to combine, adding milk
gradually until you have a viscosity of ~14cP
(It should be runny but still a bit thick like
single cream).

Rotate the sausages a few times to brown
them all over, they don't need to be cooked
when you add the batter. When ready, pour
the batter into the tin.

Close the oven and DO NOT OPEN for at least
20 minutes or the batter will collapse.

Cook until the edges are golden-brown,
about 30-40 minutes.

Meanwhile you can make gravy. Cut up the
onions. Heat oil in your pan. Add the onions
and sugar and cook on a low heat, stirring
frequently.

Once the onions are done add the flour and
cook for a minute before slowly adding the
stock, stirring the whole time. Cook for a
few more minutes and it will thicken, at
which point it is done. Season with salt and
pepper to taste.

When the toad in the hole is done, serve with
the gravy and anything else you so desire. I
usually go for peas, but I've also seen it
served with baked beans!



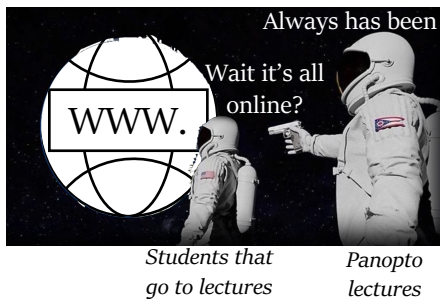
Memes for the Mind

Andrew: what happens when you expand steam adiabatically instead of isothermally?

Chem eng first years:



Online lectures got us like:

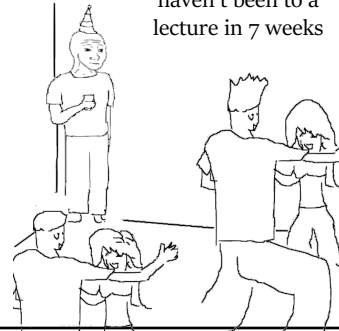


This poor kid has no idea the harsh reality that is coming to him



Me pulling up to my personal tutorials

They don't know I haven't been to a lecture in 7 weeks



« How's the semester going? »

Me:

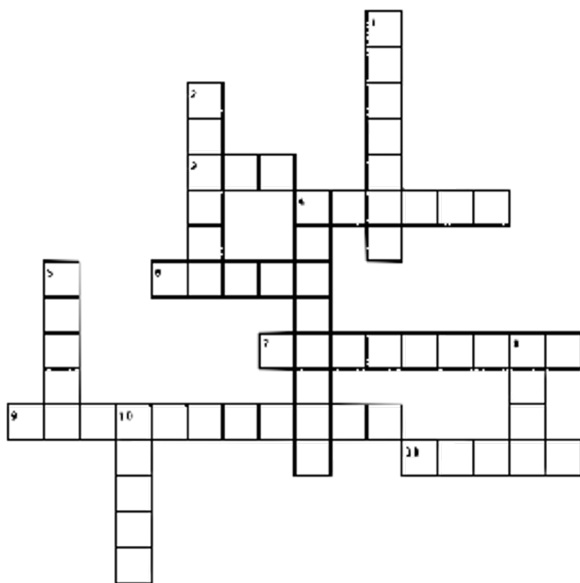


Dept of Chem Eng when they find out you're gonna do finance



Boring Lecture Games

----- CROSSWORD -----



Across _____

1. The first of Mark Twain's 3 precepts which I hope you may follow.
2. Francis Bacon used it to describe the distortion human understanding brings to the nature of things. Single and desperate, freshers will desperately seek to perform this action.
4. What we hope goes away this year.
5. In London, stepping on two consecutive of these is lucky whilst on three is unlucky.
8. Like the witches in Macbeth chanting, lecturers will intone repeatedly the importance of this act.
10. Like many great artists before you, you might fall for the charms of this sweet beverage!

Down _____

3. This word has been attributed to many Greek cities but it is also an adjective describing how everything will feel to you when starting university.
4. Living, breathing credit cards and our main sources of income as students.
6. What you'll hopefully do this year, though rare are those who actually do.
7. Everyone's main source of occupation yet sadly not our main source of income
9. Let us hope that this, main event of the US's 1920s, never again happens as what is a student's life without a drink to keep him going?
11. To first years, consider yourselves lucky for living here !

----- SUDOKU -----

Easy _____

	4						
				6	3	5	8
	3			7			9
4	1				6	3	
				8			
5				3	9		7
	9		7		2		1
							5
						6	

Hard _____

	2					7	4	3
				8				
	7				2	5		
		9		3	6			
		8						
7					9	8	2	4
9			7					
4							9	1
5	3							

FOCUS

START OF TERM

October 2nd 2021

Though slightly daunting, the start of the term is one best moment in the year! You get to meet new people, go to more parties than ever before and discover the realm of chemical engineering!

FRESHER'S MINGLE EVENT

October 7th 2021

17h30 - 19h Zoom
If you are a first year, this event is for you! Here, you will get to meet fellow freshers through ice breaking questions and games and potentially win the prize!



FRIEZE ART FAIR

October 13th - 17th 2021
17h30 - 19h Zoom

Interested in modern art? Come to the the Frieze art fair in London to discover the leading contemporary artists of the century!

OKTOBER FEST

October 19th 2021

19h - 22h30 Union bar

An evening of drinks and games to discover fellow chemical engineers, to celebrate October and to (finally) party!



VIRTUAL CAREERS FAIR

October 20th - 21st 2021

Online, IChemE

This two-day event is the chance for any student to talk to working chemical engineers and to discover the wide range of job possibilities offered by their degree! To join, book a free place on the IChemE website.



ICE RINK

October 22nd 2021

The most awaited

installation in London!

This ice rink is the best place to hang out with friends during chilly winter months.



NOV



TED X LONDON

November 3rd 2021

Independently organized TED events, and conferences bringing people together to discover unknown topics and spark new deep discussions!

LASER TAG

November 13th 2021
14h20 - 16h40

Mayhem Laser Tag

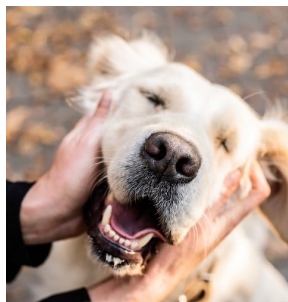
An event for both students and professors to ease tensions. Come to the event to "shoot" both friends and foes and bond through this life altering experience! This short event is the necessary mid-term breather which we dearly recommend you attend.



DOG PETTING

November 23rd 2021

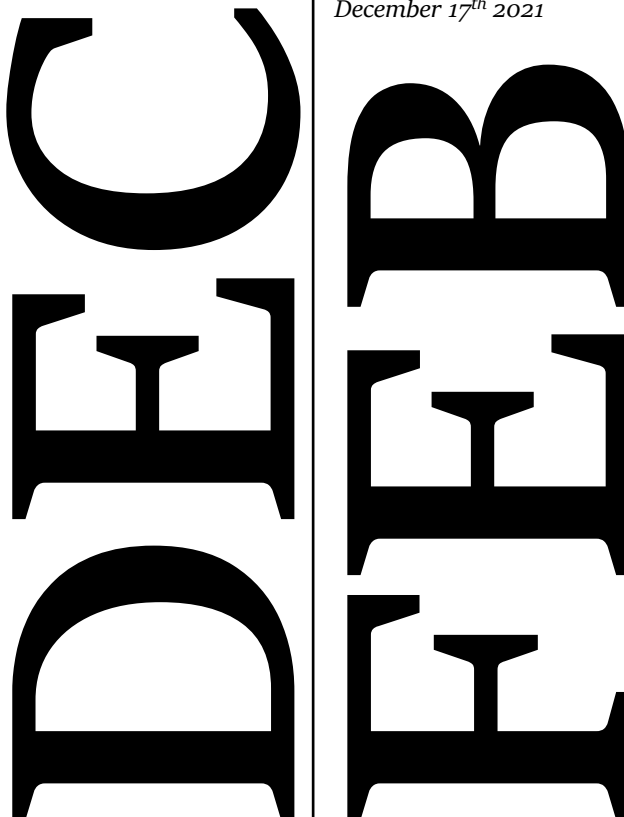
Are you stressed and sleep deprived? This event is for you! Dog petting will reduce your stress, lower your blood pressure, boost your heart health and ease your loneliness and depression. This event will allow you to enjoy all these benefits without having to take care of all the downsides of owning a dog!



occasion to dress up and have a fancy dinner so different from the typical pasta and pesto student meal!

END OF TERM

December 17th 2021



CHRISTMAS DINNER

December 9th 2021

In this event, celebrate the end of the first term with both students and lecturers! This black-tie celebration will be a great

TALENT SHOW

February 15th 2022

Either showcase your skills and talents in this talent show or support and admire the skills of fellow chemical

engineering students in this talent show organized by BP! This evening will allow you to discover your friend's hidden talents whilst sipping beer!



FRANK MORTON SPORTS DAY

February 21st 2022

This annual sports competition between chemical engineers from all around the country will at last be held again this year! Join the event to help to represent Imperial College in the competition and to bring home the prize!



OTHER EVENTS

Many other events are planned for the year to come and will be added in the upcoming issues! If you have any ideas for upcoming events, you can contact our kind events officer!!



The Pipeline is recruiting

To keep on creating a paper always better in content and quality, we need new people. Participating will entail : Flexible hours (you can put as much time as you want into it: if you want to get really involved you can but if you don't have time, there will be no pressure to work more)

Flexible tasks (you can do any job you would like (writer (more specifically a book reviewer, a food critic, an interviewer, a "what to do in London" columnist, a scientific article writer), illustrator, someone in charge of infographics and someone in charge of games).

You will get involved in the Chem Eng society, which is well-regarded by companies when hiring you. This experience will allow you to learn soft skills as well as commercial awareness (being in contact with professionals through interviews).

The Pipeline team will organise events for its team whether it be breakfasts or dinners (with free food) and will provide free tickets to other events!

Interested? Get in touch with Bérille at berylle.hernot20@imperial.ac.uk or +33782495729 on WhatsApp