

THE BIOMED GROUP

Phil Clark

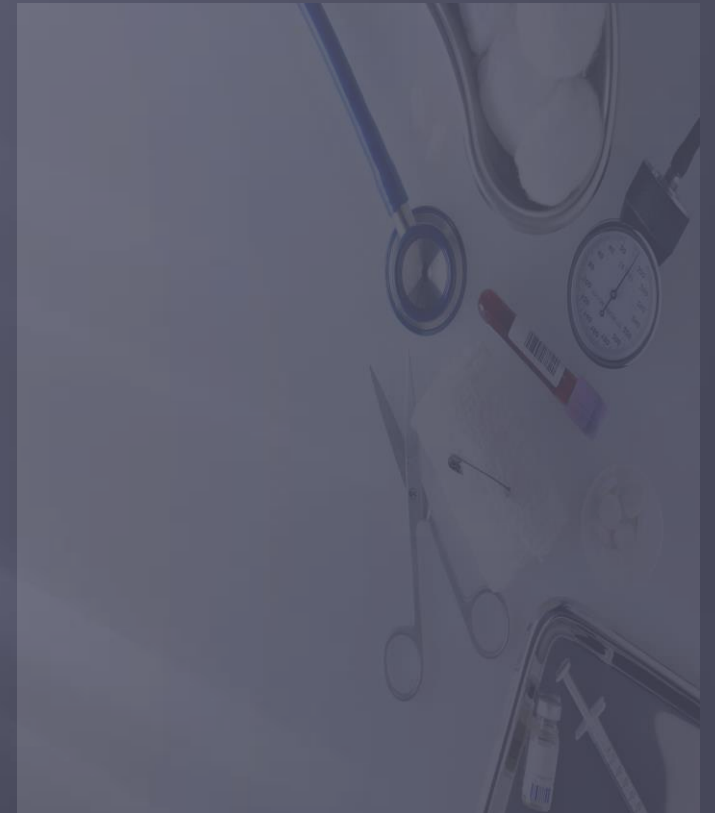
pcl@stbrn.ac.uk



What is the Biomed group?

St Brendan's offers a range of courses that have links to careers in Biological and Medical fields.

The Biomed group supports those students in a range of different ways.



What sort of things do we do?

All students on these courses will be added to a central Team where we can inform students about useful courses and events that are happening that may be relevant to them.

- ▣ A Level Biology
- ▣ A Level Chemistry
- ▣ A Level Physics
- ▣ BTEC Human Biology
- ▣ GCSE Biology
- ▣ Health and Social Care
- ▣ Sport
- ▣ Protective and Public services
- ▣ Sociology
- ▣ Psychology



What sort of things do we do?



Phil Clark 28/03 10:01



Aspiring surgeons/theatre staff!

A fantastic free event!

We have been offered just 6 free places to an event held at Bath Royal United Hospital Tuesday 23rd May from 5-6pm where you can go into an surgical theatre and have a go at some practical activities. Chances like this don't come along often so please let me know if you are interested as we need to let them know who is attending just after Easter. This is open to year 12 and 13. Just fill in this form to apply for a place, <https://forms.office.com/e/BTuR4BSmVS>



Phil Clark 28/04 09:52

Nursing and Midwifery Careers Day

Sat, 13 May 2023 10:30 - 16:30 but it's not a whole day event

North Bristol NHS Trust Southmead Hospital Learning & Research Building Bristol BS10 5FN

The Nursing and Midwifery Careers Day will provide an opportunity for 14-25 year-olds to find out more about Nursing and midwifery roles, as well as post-16 education courses, degrees and apprenticeships. There will also be an opportunity to speak to recruitment



Phil Clark 10/07 14:59 Edited

10 July 2023

STEM Day at Science Creates

Do you want to see inside a working lab? Do you need something to write about in your personal statement?

We are looking for GCSE and A Level students to judge and offer feedback on presentations given by scientists trying to turn their big ideas into companies that will change the world. You will get the chance to take an immersive tour of a deep tech incubator, meet scientists and engineers at work creating cancer cures and seaweed packing, and even participate in an interactive workshop!



Phil Clark 26/05 11:02

Project MAMA

General

Project MAMA is a registered charity based in Bristol launched in March 2018 that offers free, confidential and individual-focused holistic support to displaced people throughout pregnancy, labour and childbirth, and those first few weeks of parenthood and they will be visiting us on the 21st June at 12:10 to give a talk.



Phil Clark 15/03 08:51 Edited

Blood donation and transfusion

Resources and Work experience

This week is NHS Healthcare Science week, **an annual event to raise awareness of the amazing work of healthcare science professionals and highlight the difference they make to patients' lives.** Some of our students are visiting the Filton site tomorrow for a tour and to spend time in the labs.

What sort of things do we do?

Working alongside the college ASPIRE team, tutor program, our colleagues in work experience and careers the intention is to make students aware of all the options available to them and how to get there.


unifrog

Helping students
find their future

Healthcare with Oxleas
NHS Foundation Trust
and Lewisham and
Greenwich NHS Trust

Start date: 1st March

More info



Phil Clark 19/04 11:36

Medical work experience

Work observation placements for year 12 students

We are offering 36 three day work observation placements in the early summer for school and college pupils. **These placements are designed for pupils who are just finishing year 12** and will be applying through UCAS to medical schools in Autumn 2023.

Pathways – Sorted by time scales

- ▣ Straight into work (immediate)
- ▣ Apprenticeships – These could be what we may expect from an apprenticeship or degree apprenticeships (immediate but qualification time depends on the level and if its full or part time)

Pathways – Sorted by time scales

- Undergraduate courses – These are the normal University courses you apply for via UCAS (usually 5 years but some are 6)
- Foundation or Gateway courses – An extra year for those students who don't quite meet the undergraduate requirements. Some are accessible if you fall into some “widening participation” backgrounds (6 or 7 years)

Pathways – Sorted by time scales

- ▣ Transfer courses – Really only medicine, you study an alternative degree then move to a new course (dependent on university)
- ▣ Postgraduate Entry – You study an alternative qualification then restart with a medicine/dentistry/veterinary degree (dependent on choices)

Early applicants

The intensive support process for those students looking to study most medicine, dentistry and veterinary medicine/science courses plus other courses at Oxford or Cambridge have applications dates in early October, other subjects are in January of the following year.

As a result we support these students with a bespoke series of workshops looking at application pathways, personal statement writing, entrance exam practice and interview preparation.

UCAT

- ▣ UCAT is a separate exam needed for entry into Medicine and Veterinary science but is used differently at each University
- ▣ For example some have minimum grades to be considered for entry
- ▣ For others the UCAT score is just part of what they consider
- ▣ (not very helpful I know, to make things worse we only know what they accepted last year so it's always an educated guess)

UCAT preparation

We meet as small groups and look at examples, find solutions and share strategies to answer the questions.

Verbal Reasoning Question Bank 1 - Candidate Name

30 of 33

Calculator Explain Answer Flag for Review

Many stretches of coastline around the United Kingdom provide world-class conditions for the increasingly popular sports of surfing and bodyboarding. While there are obvious hazards connected with any recreational use of the sea, regular surfers face more insidious, hidden dangers. Several independent studies suggest the risk of becoming ill from water pollution can increase three-fold with more frequent immersion and ingestion of water. As such, untreated or poorly processed sewage pumped from coastal treatment works is a major concern to the surfing community.

One of the most effective disinfecting technologies available to water companies is Ultra Violet (UV) light. All typical wastewater pathogens with the potential to cause health issues can be neutralised by a system of UV light emitters. These include Gastroenteritis, the virulent E.coli 0157H bacteria and, of particular significance, Hepatitis A. If contracted, the Hep A virus causes inflammation of the liver and while rarely fatal, may lead to hospitalisation and can make a sufferer extremely ill for up to 6 months.

Unsurprisingly, decisions by some water companies to deactivate UV treatment systems outside the traditional 'bathing season' have been disputed by organisations such as Surfers Against Sewage (SAS). Many areas affected by this action get their best surf between October and April, and an ongoing campaign to have all-year-round UV treatment in some sites has met with success. In two landmark cases, the Environment Agency refused UV deactivation by Northumbrian Water on the grounds of significant surfer use thanks to evidence collected by SAS.

What is the most influential factor on water quality for surfers and bodyboarders, regardless of the time of year?

☐ A.

UV treatment of wastewater between October and April.

☐ B.

Continual UV treatment of wastewater.

☐ C.

UV treatment of wastewater between May and September.

☐ D.

Annual UV treatment of wastewater.

End ExamPreviousNext

Situational Judgement Question Bank 1 - Candidate Name

6 of 35

Calculator Explain Answer Flag for Review

A junior doctor, Naomi, is working on a hospital ward, which is particularly busy today due to a member of staff being ill. After lunch she receives a call from the surgical team telling her that they are running behind schedule with today's surgical procedures. They explain that she needs to tell the last patient on their list, Harry, that his operation will be delayed until tomorrow, and they will make him first on tomorrow's list. This makes no difference to Harry's safety. However, Naomi knows this operation is to remove a tumour and that Harry has been very anxious about the surgery. She explains to Harry that she has been asked to tell him that his surgery will not happen today.

How **appropriate** are each of the following responses by **Naomi** in this situation?

Ask another medical student on the ward to explain to Harry the reasons why his surgery is postponed until tomorrow

☐ A.

A very appropriate thing to do

☐ B.

Appropriate, but not ideal

☐ C.

Inappropriate, but not awful

☐ D.

A very inappropriate thing to do

End ExamPreviousNext

Decision Making Question Bank 1 - Candidate Name

2 of 25

Calculator Explain Answer Flag for Review

Not all the people present at the literature festival were poets but all the poets at the literature festival were authors and some poets were not writers.

Place 'Yes' if the conclusion does follow. Place 'No' if the conclusion does not follow.

Some writers at the literature festival were authors.

Some authors at the literature festival were both poets and writers.

All the authors at the literature festival were either poets or writers.

Not all authors at the literature festival who were poets were writers.

All the writers at the literature festival who were authors were also poets.

Yes

No

End ExamPreviousNext

Quantitative Reasoning Question Bank 1 - Candidate Name

20 of 35

Calculator Explain Answer Flag for Review

The table shows the prices to place different sized advertisements in the main section of a newspaper.

Advertisement Prices		
Size of the Advertisement	Colour	Mono
24 x 10	£11,368	£7,533
22 x 5	£5,573	£3,836
8 x 10	£4,706	£3,348

How much more does it cost a company to place two 24 x 10 mono advertisements and one 22 x 5 mono advertisement combined than four 8 x 10 colour advertisements?

☐ A.

£56

☐ B.

£78

☐ C.

£3,758

☐ D.

£5,510

☐ E.

£9,485

End ExamPreviousNext

Have a go!

An elderly patient with an inoperable illness has been informed by Dr Nicholson that the medical team has determined that no further treatment is available for his condition. However, the patient is convinced that further treatment would be beneficial. He has been reading about the further treatment on the internet and believes this could be the right course of action for him at this time. He tells Dr Nicholson that he would like to be given further treatment for the illness, despite the medical team's decision.

How **important** to take into account are the following considerations for **Dr Nicholson** when deciding how to respond to the situation?

That the medical team have made their decision based on their combined expertise

- ☐ A. Very important
- ☐ B. Important
- ☐ C. Of minor importance
- ☐ D. Not important at all

Correct response: B

Although the medical team have made a decision, it may be that the situation can be reassessed in light of the patient's research. This is an important consideration.

A seven-year-old patient, Jessica, has arrived at the hospital with her mother, Germaine. After conducting an examination, Pauline, a medical student, determines that Jessica is having an asthma attack and needs an inhaler with medication to treat her asthma. After explaining this, Germaine tells Pauline that she does not "believe in medicating" her child. She tells Pauline that she prefers to use herbal remedies. It is important for Jessica to use the inhaler to prevent her asthma from getting worse.

How **important** to take into account are the following considerations for **Pauline** when deciding how to respond to the situation?

That Germaine is not likely to encourage Jessica to use the medical inhaler

- ☐ A. Very important
- ☐ B. Important
- ☐ C. Of minor importance
- ☐ D. Not important at all

Correct response: B

Whilst this is important, because Germaine cannot be relied upon to do what is safest for Jessica in this situation, Germaine may change her mind if Pauline explains that there may be a threat to Jessica's life if she does not use the inhaler.

Interview practice

- ▣ We meet with students individually and sometimes in small groups.
- ▣ In the past we have been lucky enough to have visiting speakers, who actually carry out these interviews for universities.