

The blue underlined text has hyperlinks to it, which work best on any PC or Mac, or less well on mobile devices (WPS Office allows them to work).

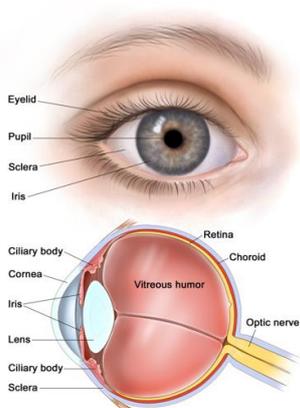
During this year we have completed the whole CAIE iGCSE Biology syllabus. There are a wealth of resources I have uploaded to ManageBac, including this year's power points and revision books that I hope you use along with your notes to not only maintain your current level, but continue to improve in biology to ensure you get the highest grade, and all of the students I taught were definitely capable of that!

These revision books I have made are most useful:

iG Bio ALL EQ 2010w to 2021s Paper 4 and Paper 6

CAIE iGCSE (0610) BIOLOGY Papers 4 & 6

From 60 exam papers: 2021s to 2010s



Name: _____

Class: _____

Name: _____

iG Bio ALL EQ FINAL MASTER P2 21sw to 16m DRAFT
Cholera is in topic 10, not topic 7

Contents

iG Bio ALL EQ FINAL MASTER P2 21sw to 16m	1
Questions for material only in 2022 exams	2
Mark Scheme Questions for material only in 2022 exams	8
Paper 2 Bio Topic#	9
Paper 2 Bio Topic# 2	22
Paper 2 Bio Topic# 3	37
Paper 2 Bio Topic# 4	47
Paper 2 Bio Topic# 5	51
Paper 2 Bio Topic# 6	60
Paper 2 Bio Topic# 7	75
Paper 2 Bio Topic# 8	89
Paper 2 Bio Topic# 9	101
Paper 2 Bio Topic# 10	111
Paper 2 Bio Topic# 11	117
Paper 2 Bio Topic# 12	125
Paper 2 Bio Topic# 13	132
Paper 2 Bio Topic# 14	138
Paper 2 Bio Topic# 15	158
Paper 2 Bio Topic# 16	160
Paper 2 Bio Topic# 17	170
Paper 2 Bio Topic# 18	181
Paper 2 Bio Topic# 19	186
Paper 2 Bio Topic# 20	198
Paper 2 Bio Topic# 21	206
Paper 2 Mark Scheme	214
Paper 2 Mark Scheme Bio 5 Q# 68	217
Paper 2 Mark Scheme Bio 10 Q# 158	220
Paper 2 Mark Scheme Bio 14 Q# 226	222
Paper 2 Mark Scheme Bio 18 Q# 290/	226

www.SmashingScience.org

Patrick Brannac

Page 1 of 228



If you have finished all of them above, then these books contain some questions not in the revision books above:



CAIE iGCSE (0610)

Paper 4 Biology



Patrick Brannac

Name: _____

Class: _____



CAIE iGCSE (0610)

Paper 2 Biology



Name: _____ Class: _____



Patrick Brannac

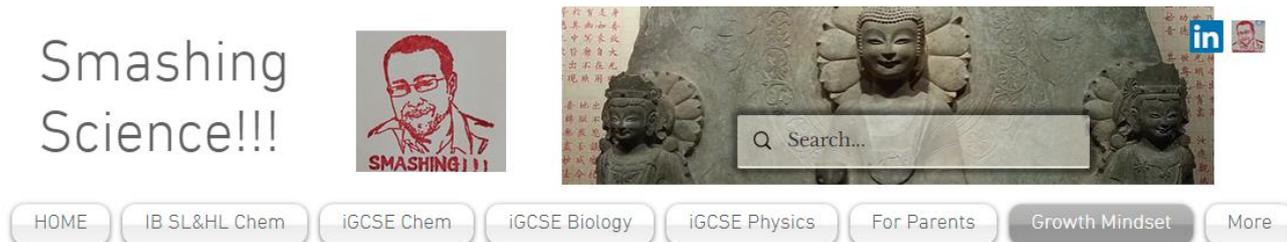


Another way to access the library of resources I have created for Biology iGCSE is through my website which I intend to add substantially to over the summer holiday:

<https://www.smashingscience.org/igcse-biology>



Other learning based activities that can help you grow as a person and become a more curious student, which is easily the most important and effective way to reach peak academic performance can also be found on my website here:



<https://www.smashingscience.org/expanding-your-mind>

Activities that I would recommend you try, if you are not already doing include:

REST!

Take a well deserved break from doing things you might feel you should do, and instead to things you want to do. Be deliberate in your resting; doing nothing can be a very stressful state to be in. So plan to play your favourite computer game, or go on social media as a restful activity. And take breaks from these things so that you try to see them as rewards that you not only deserve, but also will need to work hard next term.

Whatever your grades were, school can be really stressful, especially when learning online, and especially in ways that are hard to describe in words. **So plan a decent part of your holiday to do the things you like to do most!** Also, exercise can be surprisingly helpful in feeling more relaxed!

The underlined parts that follow are for hyperlinks which might need a VPN to work properly.

Read

Any book, just make sure that you enjoy it, and that it isn't too hard or boring. You have all of your adult life to read hard and boring books, but when you are young a love of reading is an invaluable passion. Also, read newspapers and magazines like the [New Scientist](#)

- [For the most popular teen science fiction, this link will give you over 400 choices](#)
- [Amazon editors top 100 books to read before you die, click here](#)
- [100 best science fiction books, click here](#)
- [For some really tough books that you should have read at least one from this list before you go to university, but not much more than that, click here](#)

There is an ocean of varieties of literature, the best book for you will be the one that influences your thinking and inspires you the most. This means that the best books to read change as you grow and develop. I have highlighted a list of books that you could read that cuts across a variety of genres, cultures and periods in history and organised it into a [Periodic Table of Literature \(click here\)](#). Reading any books from this selection would be a smashing idea!

Watch

Accessible TV documentaries like: Strip the Cosmos, The Secret Life of Plants, Life in the Undergrowth, Modern Marvels, [Cosmos: A Spacetime Odyssey](#), [Bill Nye Science Guy](#),

For the expert opinion: [Nova \(amazingly accurate videos and explanations\)](#)

Listen

[Ted Talks](#), [BBC Radio 4](#)

Play

Musical instruments, sports and a sensible amount of computer games.

Websites

[NASA](#) (breathtaking pictures), [TIFO](#) (excellent factoids), Museums: [London](#), [Paris](#), [New York](#), [St Petersburg](#), [National Gallery](#) (awesome virtual tours), [British Museum Blog](#) (amazing details!), [Lima](#) (my favourite museum), [Beijing](#) (my favourite gallery).



YouTube Channels

[Smarter Every Day](#), [VSauce](#), [Kurzgesagt \(amazing!\)](#), [Mark Rober](#), [SciShow](#)

Do

Museums, Art Galleries and Historic Areas in cities. A great way to learn deeply about a place, a people or the best art we have ever been able to produce.

Simulate

All of these simulations of science (and other subjects) are free to use, but maybe more useful to older students in high school:

[PhET](#) For all 3 sciences

[Wolfram \(needs this free player to access\)](#), but has 10k simulations for all subjects

[RasMol](#) Molecular modelling program

Citizen science

[For a list of almost 500 projects, you can go here.](#)

[FoldIt](#) helping molecular biologists understand how proteins fold using this interesting game

Care about [microplastics](#)? Then this is the project for you!

[Condor Watch](#) - Helping scientists identify an endangered species

[Encyclopedia of Life](#)

Become a [Wikipedia Contributor](#), if you learning English as a Second Language, local places and customs will not be represented or have much information about them yet in the English version, you could easily be a top contributor!

Learn

[For a list of online course providers click here](#)

[Coursera](#) offers university-level courses online, available to everyone, which usually cost less than US\$100 and run for a few weeks. Some of the world's best universities are involved in this.

[Khan Academy](#) "Learn anything, for anyone, for free" lots of online tutorials, great for learning the ideas, less focused on specific syllabi

[Brilliant](#) - Teaches a variety of science, math and logic ideas, has a free component that is very interesting and definitely worth investigating, I haven't tried the premium version, but potentially it could be life-changing. More likely, however, it will be like buying a gym membership, works very well for some, not most.

Watching

Documentaries

Watching documentaries while you do something else is one of the easiest ways to accidentally learn, particularly useful whilst playing computer games, or doing less intellectually demanding tasks (one is in the background as I type this, for instance).

Legendary TV series:

[Civilisation: A Personal View by Kenneth Clark](#) (1969) - Excellent if you are interested in classical visual arts

[The Ascent of Man: A Personal View by Jacob Bronowski](#) (1973) - Jolly good show.

[The Day the Universe Changed: A Personal View by James Burke](#) (1984) - Excellent if you are interested in the history of science

Useful lists of the best MOVIE documentaries:

- The [British Film Institute](#) gives an expert's consensus view
- Anything by Werner Herzog
- 50 [Documentaries to see before you die](#) (compiled by Morgan Spurlock, an awful man who makes terrible documentaries, but a useful list of what is accessible, popular and recent)
- [Rotten Tomatoes Top 100 list](#)

Most importantly, don't forget to take things easy and have a fantastic holiday!

