



## Cheshire & Stockport SLP Newsletter – March 2018 (1)

### Ambassador of the Month

This week we are celebrating a different STEM ambassador, Georgina Bartl, who is based at St. Mary's Hospital and who works in the field of IVF.

IVF features in all of the exam specifications for higher tier students – AQA Trilogy (4.5.3.5); Biology (4.5.3.6); Edexcel Combined science & Biology (7.8); OCR Combined & Biology (3.2);

So – why and how could you incorporate Georgina's case study?

Apart from providing a clear description of the process and benefits of IVF, the case study helps raise awareness of careers within science. At some point in the future many of the students we teach will want to start families of their own and they may face the challenges that Georgina helps to overcome.

There's also a good resource on Teachit Science: Science in the news, boosting the IVF success rate that could be used alongside Georgina's case study.

If you do try the resource, please let us know how it went.

#### GCSEs

As we approach the exams, the awarding bodies are providing more information – so here are a few links in case you have missed any.

AQA:

Re. tier of entry: <http://www.aqa.org.uk/subjects/science/you-asked-us/choosing-the-right-tier>

Re. extended response: [http://www.aqa.org.uk/subjects/science/you-asked-us?utm\\_source=twitter&utm\\_medium=tweettopic5&utm\\_campaign=ESOTW%20You%20asked%20us&utm\\_content=science](http://www.aqa.org.uk/subjects/science/you-asked-us?utm_source=twitter&utm_medium=tweettopic5&utm_campaign=ESOTW%20You%20asked%20us&utm_content=science)

Re. AO2 <http://www.aqa.org.uk/subjects/science/you-asked-us/assessment-objective-2>

OCR

Re. structuring of question papers:

<http://www.ocr.org.uk/Images/462559-exploring-our-question-papers-gateway-science.pdf>

<http://www.ocr.org.uk/Images/462607-exploring-our-question-papers-twenty-first-century-science.pdf>

Edexcel

In one easy graphic:

[https://qualifications.pearson.com/content/dam/pdf/subject-updates/Science/gcse-9-1-science-infographic.pdf?utm\\_source=gcsesupport2&utm\\_medium=Social&utm\\_campaign=SEC\\_SCI\\_01SEP2017\\_gcse2016\\_Q&hootPostID=f9a3d43713dbc4fc80e69a0609ae9f95](https://qualifications.pearson.com/content/dam/pdf/subject-updates/Science/gcse-9-1-science-infographic.pdf?utm_source=gcsesupport2&utm_medium=Social&utm_campaign=SEC_SCI_01SEP2017_gcse2016_Q&hootPostID=f9a3d43713dbc4fc80e69a0609ae9f95)

There are lots of other resources – but this week's top pick is:

<https://www.mathsinscience.uk/> Ideas for discussion and guidance about teaching the mathematical component of the new GCSEs.

And for those teaching A-level

A reflection on last summer's A-levels and the skills required for success in chemistry

<https://eic.rsc.org/analysis/six-lessons-from-the-2017-exams/3008597.article>

A useful resource for teaching mitosis in Biology

[https://www.eurekaalert.org/pub\\_releases/2018-02/bs-sms021418.php](https://www.eurekaalert.org/pub_releases/2018-02/bs-sms021418.php)

A focus on physics practical work: <https://nustem.uk/required-practicals/>

There are some great online CPD opportunities from STEM learning

<https://www.futurelearn.com/partners/stem-learning>

These have the benefit of fitting in to your other commitments and I can whole heartedly recommend them – the Assessment for Learning in STEM teaching certainly had an impact on my own classroom practice.