

# Summer Term – Remotely Learning Plan

## Year 10 – Biology (Combined Science)

Week:	Instructions to Parents/Students
28B – 20 <sup>th</sup> April	Studying pathogens – learn about virus, bacteria and fungi. Draw diagrams of their structures and state why they make you feel ill. Give 3 examples of diseases caused by each. Watch <a href="http://www.youtube.com/watch?v=8pa5gs4TdtI">www.youtube.com/watch?v=8pa5gs4TdtI</a> for info, or go to BBC Bite size <a href="http://www.bbc.co.uk/bitesize/guides/zxr7ng8/video">www.bbc.co.uk/bitesize/guides/zxr7ng8/video</a>
29A – 27 <sup>th</sup> May	Body's defences – Draw a body outline (a stickman will do) label all the body's natural defences against pathogens. Use <a href="http://www.sciencelearn.org.nz/resources/177-the-body-s-first-line-of-defence">www.sciencelearn.org.nz/resources/177-the-body-s-first-line-of-defence</a> to help.
30B – 4 <sup>th</sup> May	Role of white blood cells – produce a leaflet to show 3 roles of white blood cells within the body. <a href="http://www.bbc.co.uk/bitesize/guides/zxr7ng8/revision/9">www.bbc.co.uk/bitesize/guides/zxr7ng8/revision/9</a> and <a href="http://www.bbc.co.uk/bitesize/guides/ztp9q6f/revision/5">www.bbc.co.uk/bitesize/guides/ztp9q6f/revision/5</a>
31A – 11 <sup>th</sup> May	Immunity and vaccines – watch the video on Edward Jenner <a href="http://www.youtube.com/watch?v=sJRJeOxX6no">www.youtube.com/watch?v=sJRJeOxX6no</a> , make notes on how a vaccine works from <a href="https://revisionworld.com/gcse-revision/biology/human-body/immunisation-vaccination">https://revisionworld.com/gcse-revision/biology/human-body/immunisation-vaccination</a> Then complete quiz at <a href="https://www.educationquizzes.com/gcse/science/biology-fighting-disease-aqa-syllabus-a/">https://www.educationquizzes.com/gcse/science/biology-fighting-disease-aqa-syllabus-a/</a>
32B – 18 <sup>th</sup> May	Developing new drugs – learn the 3 main stages of developing a drug <a href="http://www.bbc.co.uk/bitesize/guides/z8fkmsg/revision/10">www.bbc.co.uk/bitesize/guides/z8fkmsg/revision/10</a> and complete the quiz / test questions. Watch <a href="https://www.youtube.com/watch?v=rkxB1Sgmhd4">https://www.youtube.com/watch?v=rkxB1Sgmhd4</a>
33A – 1 <sup>st</sup> June	Homeostasis- watch the one of the video's listed. Note what conditions are controlled within the body. Then write a response to this 6 mark question 'The human body is kept at a constant internal temperature of about 37 °C. Body temperature is monitored and controlled by the thermoregulatory centre in the brain. Describe what happens in the body to keep the body temperature constant' <a href="https://www.youtube.com/watch?v=JhynZZF_YkM">https://www.youtube.com/watch?v=JhynZZF_YkM</a> or <a href="https://www.youtube.com/watch?v=WoMPARSQPZw&amp;list=PL9IouNCPbCxW3lptxS1yHCP2I9YDfM2co&amp;index=7">https://www.youtube.com/watch?v=WoMPARSQPZw&amp;list=PL9IouNCPbCxW3lptxS1yHCP2I9YDfM2co&amp;index=7</a>
34B – 8 <sup>th</sup> June	The nervous system – learn about the nervous system. Write out the nervous pathway and be able to recall the order of neurones. <a href="https://revisionworld.com/gcse-revision/biology/human-body/nervous-system">https://revisionworld.com/gcse-revision/biology/human-body/nervous-system</a> complete test at <a href="https://www.bbc.co.uk/bitesize/guides/z2374qt/test">https://www.bbc.co.uk/bitesize/guides/z2374qt/test</a>
35A – 15 <sup>th</sup> June	Reflex actions (required practical)– watch clip on reaction times at <a href="https://www.youtube.com/watch?v=Ws5qVXYHRnQ">https://www.youtube.com/watch?v=Ws5qVXYHRnQ</a> Write out an full detailed method for the investigation. You must include information about independent, dependent and control variables. Use this video to help if you get stuck <a href="https://www.youtube.com/watch?v=D1M0cEna2E">https://www.youtube.com/watch?v=D1M0cEna2E</a>
36B – 22 <sup>nd</sup> June	Control of blood sugar – draw and learn the flow diagram to show the control of sugar within the body. <a href="https://www.bbc.co.uk/bitesize/guides/zq4mk2p/revision/4">https://www.bbc.co.uk/bitesize/guides/zq4mk2p/revision/4</a>
37A – 29 <sup>th</sup> June	Diabetes – watch the video and produce a table to show the main difference between type 1 and type 2 diabetes <a href="https://www.bbc.co.uk/bitesize/guides/zq4mk2p/video">https://www.bbc.co.uk/bitesize/guides/zq4mk2p/video</a> then complete test at <a href="https://www.bbc.co.uk/bitesize/guides/zq4mk2p/test">https://www.bbc.co.uk/bitesize/guides/zq4mk2p/test</a> , more info can be found at <a href="https://revisionworld.com/gcse-revision/biology/human-body/homeostasis-0">https://revisionworld.com/gcse-revision/biology/human-body/homeostasis-0</a>
38B – 6 <sup>th</sup> July	Reproductive hormones – learn the roles of the fertility hormones FSH,LH and oestrogen. Produce a table to show where they are produced and their function. <a href="https://revisionworld.com/gcse-revision/biology/human-body/hormones-uses-reproduction">https://revisionworld.com/gcse-revision/biology/human-body/hormones-uses-reproduction</a> state which hormone can be used to decrease fertility (contraceptive pill) and explain why it reduces fertility.

39A – 13<sup>th</sup> July

IVF – Read an article on the world's first 'test-tube, baby' at <https://www.history.com/this-day-in-history/worlds-first-test-tube-baby-born> Go to <https://www.bbc.co.uk/bitesize/guides/zt2yxfr/revision/6> and watch the video and complete the test.

Useful resources:

[exampapersplus.co.uk](http://exampapersplus.co.uk)

BBC Bitesize

AQA GCSE Science trilogy (for past papers and markschemes)

Seneca (highly recommended)

<https://www.savemyexams.co.uk/gcse-combined-science-trilogy-biology-aqa-new/topic-questions/>

Past papers and mark schemes - Biology Trilogy Foundation tier

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464B1F-QP-JUN18.PDF>

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464B1F-W-MS-JUN18.PDF>

<https://filestore.aqa.org.uk/resources/science/AQA-84641B1F-SQP.PDF>

<https://filestore.aqa.org.uk/resources/science/AQA-84641B1F-SMS.PDF>

Past papers and mark schemes - Biology Trilogy Higher tier

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464B1H-QP-JUN18.PDF>

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464B1H-W-MS-JUN18.PDF>

<https://filestore.aqa.org.uk/resources/science/AQA-84641B1H-SQP.PDF>

<https://filestore.aqa.org.uk/resources/science/AQA-84641B1H-SMS.PDF>