**Year 7 Science Revision Resources**

This document provides links to some revision resources to help you review and practise your scientific knowledge. There are many different opportunities given below and many ways of reviewing your work – here are some suggestions that you could try:

* Watch the video links and make some key notes highlighting key words for each video/ topic.
* Read through the Bitesize links and complete the practise tests. Add anything that you got wrong/ missed to your notes.
* Read the pages indicated from your revision guide (use Seneca if you don’t have one). Make some flashcards of key ideas to remember – get someone at home to test you using these.
* Complete the exam questions and mark them using the mark schemes.

Please keep all of your revision resources; these can be added to over time. Remember, we are here to help; write down any questions you have and ask your teachers.

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| Subject content | Video links | QR Code | Bitesize link | QR Code | CGP page number | Exam. Qs - challenge! |
| **Biology – Organisms*** Hierarchy multicellular organisms
* Skeletal system and movement
* Animal cells
* Plants cells
* Specialised cells
 | Introduction to cells:<https://www.youtube.com/watch?v=M1wdIdCOk-Y>Skeletal system and movement:<https://www.youtube.com/watch?v=iVTsIVya5Ws&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=8>Plant, Animal cells and specialised cells:<https://www.youtube.com/watch?v=LdKcTtabr6Y><https://www.bbc.co.uk/bitesize/clips/z29n34j>Cells, tissue & organs:<https://www.bbc.co.uk/programmes/p019c26v> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test - skeletal system and movement:<https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/zgbddp3>Revise and test - cells specialised cells and hierarchy:<https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/zfj3rwx>Revise - how to observe cells under the microscope:<https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/zbm48mn> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Cells and organisation:pages 2-3Skeleton and muscles:Page 10, top page 11Microscopes:Page 1  | Everyone:[https://gulieen.exampro.net](https://GULIEEN.exampro.net)Qr code  Description automatically generatedChallenge:<https://rasoved.exampro.net/>Qr code  Description automatically generated |

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| **Chemistry- Matter*** Particle model
* Diffusion
* Gas pressure
* Solution and solubility
* Separating mixtures
 | Particle model:<https://www.youtube.com/watch?v=OOI5yVVxMQE>Changes of state:<https://www.bbc.co.uk/bitesize/clips/zvbxn39>Diffusion:<https://www.youtube.com/watch?v=EKt4afCtO8U&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=5>Elements, compounds, mixtures and separation techniques:<https://www.youtube.com/watch?v=nxRGahK7B48>Solubility, solutes, solvents and solutions:<https://www.youtube.com/watch?v=HHMuxploYEY&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=22>Separating mixtures:<https://www.youtube.com/watch?v=WuC3HJkj6uo&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=24><https://www.youtube.com/watch?v=fLmbCnXaS88&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=25><https://www.youtube.com/watch?v=CK1KVYLIGRE&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=26><https://www.youtube.com/watch?v=dBb0aWXhArk&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=27> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test – particle theory and change of state:<https://www.bbc.co.uk/bitesize/topics/z9r4jxs/articles/zyhntrd>Revise and test –change of state, dissolving, gas pressure and diffusion:<https://www.bbc.co.uk/bitesize/topics/zych6g8/articles/znqbcj6>Revise and test – separating mixtures:<https://www.bbc.co.uk/bitesize/topics/zych6g8/articles/zfwbvwx> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | States of matter, particle theory and physical changes:Pages 31-34Mixtures and separating mixtures:Pages 39-41 | Everyone:<https://ruierol.exampro.net/>Qr code  Description automatically generatedChallenge:<https://dirubuc.exampro.net/>Qr code  Description automatically generated |

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| **Physics – Forces*** Mass and weight
* Speed
* Distance time graphs
 | Weight, force, mass and gravity:<https://www.youtube.com/watch?v=U78NOo-oxOY>Speed:<https://www.youtube.com/watch?v=38sxwrCx16o&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=59>Distance-time graphs:<https://www.youtube.com/watch?v=63WzX0Z5Ig8&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=60>Forces general:<https://www.youtube.com/watch?v=CyHTYdgWXzI><https://www.youtube.com/watch?v=5eIx6-wJf1c&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=66> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test: forces (not page 6+!) <https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/zs3896f>Revise and test - mass, weight and gravity (page 3 only):<https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/z6xjdp3>Revise and test – motion:<https://www.bbc.co.uk/bitesize/guides/z78nb9q/revision/1> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Forces and force diagrams:Pages 79-81Gravity:Page 102Speed and movement:Pages 77-79 | Everyone:<https://oosaees.exampro.net/>Qr code  Description automatically generatedChallenge:<https://yijosyw.exampro.net/>Qr code  Description automatically generated |

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| **Biology – Ecosystems*** Food chains and food webs, and disruption to them
* Plant structure
* Plant reproduction
 | Food chains:<https://www.youtube.com/watch?v=7AZCcf4Fv14>Food chains and webs, and disruption to them:<https://www.youtube.com/watch?v=2lqhJNgn_Wg><https://www.bbc.co.uk/programmes/p019bq9h><https://www.youtube.com/watch?v=e5_ddd1hlBg>Energy in food chains:<https://www.bbc.co.uk/programmes/p019c1x1>Plant structure and reproduction:<https://www.youtube.com/watch?v=R8_ScKzLAfE><https://www.youtube.com/watch?v=bLFBNYUJSOQ> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test: food chains and webs:<https://www.bbc.co.uk/bitesize/topics/zxhhvcw/articles/zjh4r2p>Revise and test – plant structure and reproduction:<https://www.bbc.co.uk/bitesize/topics/zcqxxfr> | Qr code  Description automatically generatedQr code  Description automatically generated | Food chains and webs:Pages 23-24Plant structure and reproduction:Pages 20-23 | Everyone:<https://gopoeeo.exampro.net/>Qr code  Description automatically generatedChallenge:<https://dauuqud.exampro.net/>Qr code  Description automatically generated |

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| **Chemistry- Chemical Reactions*** Acids and Alkalis
* Indicators
* Neutralisation
* Making salts
* Metals and non-metals

Reactions of metals  | Acids and alkalis:<https://www.youtube.com/watch?v=Hzk2nU7uBw4>Making soluble salts:<https://www.youtube.com/watch?v=lpM_VCMPFug>Atoms and elements:<https://www.bbc.co.uk/bitesize/clips/zc9n34j>Reactions of metals:<https://www.bbc.co.uk/bitesize/clips/zfrtfg8><https://www.youtube.com/watch?v=t5srg32crLY>Higher:<https://www.youtube.com/watch?v=ofw6oHSYGFI>Displacement:<https://www.youtube.com/watch?v=UII0P3btVNI> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test - pH scale, neutralisation and making salts:<https://www.bbc.co.uk/bitesize/topics/zn6hvcw/articles/z9gnn9q>Revise and test – metals and non-metals:<https://www.bbc.co.uk/bitesize/topics/zv9nhcw/articles/z8qrr2p>Revise and test - reactions of metals:<https://www.bbc.co.uk/bitesize/topics/z3ksp4j/articles/zwdxtrd> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Acids, Alkalis, neutralisation and making salts:Pages 52 – 53Atoms and elements:Page 35Metals and non – metals:Pages 42-45Reactions of metals:Pages 54-57 | Everyone:<https://eonytuc.exampro.net/>Qr code  Description automatically generatedChallenge:<https://tociqer.exampro.net/>Qr code  Description automatically generated |

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| **Physics – Electromagnets*** Series and parallel circuits
* Potential difference
* resistance
 | Conductors and insulators:<https://www.bbc.co.uk/bitesize/clips/zy3mpv4>Series and parallel circuits:<https://www.bbc.co.uk/programmes/p019c1dg>Current and potential difference:<https://www.youtube.com/watch?v=Lva2yqD8MPI&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=48>Resistance:<https://www.youtube.com/watch?v=HNPow41uibw&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=50> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test - Electric current and potential difference:<https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/zshqqfr> | Qr code  Description automatically generated | Electrical circuits:Pages 95-98 | Everyone:<https://qiuanes.exampro.net/>Qr code  Description automatically generatedChallenge:<https://byheuoh.exampro.net/>Qr code  Description automatically generated |

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| **Biology – Genes*** Variation
* Adaptations
* Human reproductive system
* Foetal development
 | Variation:<https://www.youtube.com/watch?v=jUHokSPkzT8>Adaptations:<https://www.bbc.co.uk/bitesize/clips/zkv2hyc>Sexual reproduction in human and foetal development:<https://www.youtube.com/watch?v=-ekRRuSa_UQ> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test – variation:<https://www.bbc.co.uk/bitesize/topics/zpffr82/articles/z6j66g8>Revise and test – puberty, human reproduction and foetal development:<https://www.bbc.co.uk/bitesize/topics/zybbkqt/articles/zwb6xbk> | Qr code  Description automatically generatedQr code  Description automatically generated | DNA, inheritance and variation:Pages 26-27Human reproductive systems and foetal development:Pages 15-16 | Everyone:<https://uuwesep.exampro.net/>Qr code  Description automatically generatedChallenge:<https://kerubyi.exampro.net/>Qr code  Description automatically generated |

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| **Physics - Energy*** Energy resources
* Power
* Conservation of energy
* Useful and wasted energy
 | Energy resources:<https://www.youtube.com/watch?v=jGds7edakbk>Power:<https://www.youtube.com/watch?v=FIL9usUCeLA>Energy stores, conservation of energy and wasted energy:<https://www.youtube.com/watch?v=VUworhvk5rw> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test - fuels and energy resources:<https://www.bbc.co.uk/bitesize/topics/zc3g87h/articles/zdycr2p>Revise and test – energy in the home<https://www.bbc.co.uk/bitesize/topics/zc3g87h/articles/z7xfsk7>Revise and test – energy stores and transfers:<https://www.bbc.co.uk/bitesize/topics/zc3g87h/articles/zg2sn9q> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Energy resources:Page 70Energy stores and transfer:Page 66-68Conservation of energy:Page 69Energy in the home:Pages 71-73 | Everyone:<https://oolypyz.exampro.net/>Qr code  Description automatically generatedChallenge:<https://faxetif.exampro.net/>Qr code  Description automatically generated |

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| **Physics – Waves*** Sound
* Ear
* Light

Eye | Waves:<https://www.youtube.com/watch?v=YuVz71ziCiQ&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=106>Light and sound:<https://www.youtube.com/watch?v=BL2MtP7j-xk>Light:<https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/z27mgdm>Ear and hearing:<https://www.youtube.com/watch?v=r-c5GpoD8wI>Structure of the eye:<https://www.youtube.com/watch?v=z0m14XZ02sA&list=PLyf3QQ9ddzgngBzZiwWcEBuRoKUYaXS6N&index=114> | Qr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generatedQr code  Description automatically generated | Revise and test – sound and the ear:<https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zpm3r2p>Revise and test – light and the eye<https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zryrkhv> | Qr code  Description automatically generatedQr code  Description automatically generated | Waves in general:Page 86Sound waves and the ear:Pages 91-93Light waves and the eye:Pages 87-90Pages 86-90 | Everyone:<https://logimuj.exampro.net/>Qr code  Description automatically generatedChallenge:<https://xiyewov.exampro.net/>Qr code  Description automatically generated |