

Wider Reading

What is wider reading and how will it stretch and challenge you? [What does 'wider reading' mean? : Unifrog Blog](#)

Subject: Science

Year 7		
Half term	Topic	Text
1	Working Scientifically	<p>Books: Exploring Science: Working Scientifically The Science book: Big Ideas Simply Explained How to be good at science workbook</p> <p>Websites: https://www.rastrick.calderdale.sch.uk/wp-content/uploads/2020/09/Year-7-Working-Scientifically-working-from-home-booklet-1.pdf</p> <p>Videos: https://www.youtube.com/watch?v=wYKwzVDB-N0&list=PL9louNCPbCxU3bKmUzQ4wvtRwS_n870G0 https://www.youtube.com/watch?v=MEIXRLcC6RA</p>
	Organisms (Biology)	<p>Podcast: https://open.spotify.com/episode/6OQPotygzR4uCv90nINGY5 https://open.spotify.com/episode/6g0VzSMKfNd6SU29iFsOv1 https://open.spotify.com/episode/6OQPotygzR4uCv90nINGY5</p> <p>Books: 100 Things to know about the human body – various authors</p> <p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/t-cells_article.pdf</p> <p>Videos: https://www.youtube.com/watch?v=LNLz7mSwPkQ https://www.youtube.com/watch?v=3haTJCOkyxA</p>
2	Matter (Chemistry)	<p>Videos: https://www.youtube.com/watch?v=qpZhc2Zn_Tl https://www.youtube.com/watch?v=XC1RxloV0Mo</p>
	Waves (Physics)	<p>Books: Introduction to the Physics of Waves – Tim Freegarde</p> <p>Websites: https://www.rastrick.calderdale.sch.uk/wp-content/uploads/2020/09/Year-9-Waves-2-working-from-home-booklet-1.pdf</p> <p>Documentaries:</p>

		<p>Sound Waves: The Symphony of Physics: Part 1 – Making Sound - https://www.dailymotion.com/video/x60naop</p> <p>Sound Waves: The Symphony of Physics: Part 2 – Using Sound - https://www.dailymotion.com/video/x60nc8p</p> <p>Videos: https://www.youtube.com/watch?v=aCu4VRKMstA</p>
3	Energy (Physics)	<p>Podcast: https://open.spotify.com/episode/13hIvE8VLZgMUHiohaMVe3</p> <p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/wind-tree-article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2020/07/biomass_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2020/07/biomass_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/06/osmosis_article.pdf</p> <p>Websites: https://www.physicstutoronline.co.uk/gcsephysicsqa/energy-stores-and-transfers/</p> <p>Videos: https://www.youtube.com/watch?v=jo_IRDLLSNU https://www.youtube.com/watch?v=JGwcDCeYRYo</p>
	Reactions (Chemistry)	<p>Websites: https://www.bbc.co.uk/bitesize/guides/zw6jh39/revision/3#:~:text=Chemical%20changes%20happen%20when%20chemical,a%20solid%20to%20a%20liquid.</p> <p>Videos: https://www.youtube.com/watch?v=yIJ2qnUOOwQ https://www.youtube.com/watch?v=vt8fB3MFzLk https://www.youtube.com/watch?v=IBjwMcHUyBY https://www.youtube.com/watch?v=2i5Lm7BMtpo</p>
4	Origins (Biology)	<p>Websites: https://www.bbc.co.uk/bitesize/topics/zybbkqt/articles/zwvb3j6</p> <p>Documentary: https://www.bbc.co.uk/iplayer/episode/b01qmd9v/life-on-earth-10-themes-and-variations</p> <p>Videos: https://www.youtube.com/watch?v=jUHokSPkzT8 https://www.youtube.com/watch?v=-ekRRuSa_UQ https://www.youtube.com/watch?v=vXrQ_FhZmos</p>
	British Science Week	<p>Books: Exploring Science: Working Scientifically The Science book: Big Ideas Simply Explained How to be good at science workbook</p> <p>Websites: https://collectionslibrary.crestawards.org/#tab_ethICKF5NwsMjQq8 https://www.britishscienceweek.org/app/uploads/2022/10/BSW23_tasterpack_secondary_.pdf</p> <p>Videos: https://www.youtube.com/watch?v=fH5iLx_jCUk</p>

5	Electricity and Magnetism (Physics)	<p>Websites: https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwjOybO1wJn7AhWzmlwKHZdxDjMQFnoECA4QAQ&url=https%3A%2F%2Fwww.stem.org.uk%2Fsites%2Fdefault%2Ffiles%2Fpages%2Fdownloads%2FWorksheet-Magnetism-ks3.docx&usg=AOvVaw0sH-ggBaXYtkHnWxclzvnk</p> <p>Documentary: Shock and Awe: The Story of Electricity: https://www.youtube.com/watch?v=Gtp51eZkwol</p> <p>Videos: https://www.youtube.com/watch?v=79_SF5AZtzo</p>
	Forces (Physics)	<p>Websites: https://www.haberdashersabrahamdarby.co.uk/wp-content/uploads/2017/10/KS3-physics-forces.pdf https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/zs3896f https://www.bbc.co.uk/bitesize/guides/zyydm3/revision/1</p> <p>Videos: https://www.youtube.com/watch?v=WCPTKRasCgE https://www.youtube.com/watch?v=JsuN_dJd2ls</p>
	Cycles and Interactions (Biology)	<p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/food-article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/veggie_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2018/12/Business_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/06/echolocation_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/global_fish_article_hs.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/global_fish_article_hs.pdf</p> <p>Documentaries: Our Planet (Netflix)</p> <p>Videos: https://www.youtube.com/watch?v=7AZCcf4Fv14</p>
6	Earth and Beyond (Chemistry)	<p>Podcasts: https://open.spotify.com/episode/3VZutrUcvYoLouufZUSLBz</p> <p>Websites: https://www.bbc.co.uk/bitesize/topics/z3fv4wx/articles/z9qpsk7#:~:text=The%20structure%20of%20the%20Earth,-The%20Earth%20is&text=The%20three%20layers%2C%20starting%20from,inner%20core%20and%20outer%20core</p> <p>Documentaries: Solar system: The secrets of the universe</p> <p>Videos: https://www.youtube.com/watch?v=libKVRa01L8 https://www.youtube.com/watch?v=Qd6nLM2QIWw https://www.youtube.com/watch?v=AgwSdQzN4H4</p>

Year 8

Half term	Topic	Text
1	Organisms (Biology)	<p>Podcast: https://open.spotify.com/episode/6OQPotygzR4uCv90nINGY5 https://open.spotify.com/episode/3oQyj4UndhSx1xBDCwsRnv https://open.spotify.com/episode/7gsymv2ntvsSiyNaTlfnJJ https://open.spotify.com/episode/7ttq8W5GLpKpYA5N3WsBFU</p> <p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/nutrition_physiology_article.pdf</p> <p>Websites: https://www.bbc.co.uk/bitesize/guides/zs9krwx/revision/2</p> <p>Videos: https://www.youtube.com/watch?v=13H1urX3gxl</p>
	Space Week	<p>Podcasts: https://open.spotify.com/show/1qYTAxxwbVJ96784zUESrW</p> <p>Books: Unlocking the Universe – Stephen and Lucy Hawking See Inside the Solar System – Rosie Dickens Space: A children's encyclopaedia - DK</p> <p>Documentary: A New Era of Space Travel – DW - https://www.youtube.com/watch?v=P_GO2IS_yBQ</p>
2	Matter (Chemistry)	<p>Podcast: https://open.spotify.com/episode/6xMJW5a8txvjZ8DOoJ2g3d https://open.spotify.com/episode/5uUJCjZINF0qptRBU9m5YW https://open.spotify.com/episode/7MDLDXxHZ242nws71yoy4A</p> <p>Websites: https://www.bbc.co.uk/bitesize/topics/zv9nhcw</p> <p>Videos: https://www.youtube.com/watch?v=fPnwBITSmgU https://www.youtube.com/watch?v=ldS9roW7IzM</p>
	Electricity and Magnetism (Physics)	<p>Podcasts: https://open.spotify.com/episode/35RWmZ36u0bS5W2rp3FQQa https://open.spotify.com/episode/3Jn9OrTi9XUZ5PrQiREp4c https://open.spotify.com/episode/1iw2yqQrsezMDqeb9nh1IM https://open.spotify.com/episode/3UWIA2fNsO131XlnAXm2HS</p> <p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/wind-tree-article.pdf</p> <p>Websites: https://www.bbc.co.uk/bitesize/guides/z437hyc/revision/1</p> <p>Videos:</p>

		https://www.youtube.com/watch?v=8Z0jhQeYDUE https://www.youtube.com/watch?v=R3hdaLpq2AA https://www.youtube.com/watch?v=ZQurBlu35Fo https://www.youtube.com/watch?v=jNFXtjt5mul
3	Origins (Biology)	Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2022/07/gonads_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2017/06/voles_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/rhino_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/target_mpa_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/08/falcon_article.pdf Documentaries: Extinction: The Facts – David Attenborough : https://www.bbc.co.uk/programmes/m000mn4n Videos: https://www.youtube.com/watch?v=7VM9YxmULuo https://www.youtube.com/watch?v=jphrpR9ffKA&t=111s
	Reactions (Chemistry)	Videos: https://www.youtube.com/watch?v=fwukX8Ec-Pg https://www.youtube.com/watch?v=0MBVIXufFbM
4	Energy (Physics)	Podcast: https://open.spotify.com/episode/13h1VE8VLZgMUHiohaMVe3 https://open.spotify.com/episode/6ShWqq02wOS8jrnzutGgt3 Videos: https://www.youtube.com/watch?v=e71BZX7cpM https://www.youtube.com/watch?v=GxxTTorxfSE
	British Science Week	Books: Exploring Science: Working Scientifically The Science book: Big Ideas Simply Explained How to be good at science workbook Websites: https://collectionslibrary.crestawards.org/#tab_ethICKF5NwsMjQq8 https://www.britishscienceweek.org/app/uploads/2022/10/BSW23_tasterpack_secondary_.pdf Videos: https://www.youtube.com/watch?v=fH5iLx_jCUk
5	Earth and Beyond (Chemistry)	Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2021/07/legislation_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2017/12/hawaii_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/08/falcon_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2020/05/climate_ssa_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/recycle_article.pdf Videos: https://www.youtube.com/watch?v=l0h_-3MOPso

		https://www.youtube.com/watch?v=WNWstCstODE https://www.youtube.com/watch?v=vniZR0u1X6c https://www.youtube.com/watch?v=oJAbATJCugs
	Cycles and Interaction (Biology)	Podcast: https://open.spotify.com/episode/1RVi8v8ZyBozuolAMICBOE Websites: https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zdqx2v4 Videos: https://www.youtube.com/watch?v=WsqP1O7388g https://www.youtube.com/watch?v=co0JdqUlycg&vl=en-GB
6	Forces (Physics)	Websites: https://www.haberdashersabrahamdarby.co.uk/wp-content/uploads/2017/10/KS3-physics-forces.pdf https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/zs3896f https://www.bbc.co.uk/bitesize/guides/zyydmp3/revision/1 Videos: https://www.youtube.com/watch?v=WCPTKRAScgE https://www.youtube.com/watch?v=JsuN_dJd2Is https://www.youtube.com/watch?v=iPG3F2EfJ8

Year 9

Year 9		
Half term	Topic	Text
1	Organisms (Biology)	Podcast: https://open.spotify.com/episode/3nefd1eeMgQHMoFYK4v2aG https://open.spotify.com/episode/4bee6BfV2rp3r2t9CprOdB https://open.spotify.com/episode/10M2jQEdCRJ7QhGMdzq0z6 https://open.spotify.com/episode/1uRzpLSxWx5ePGgcGVCKvA https://open.spotify.com/episode/7el6GDqRBPuRHBZs56Q4Vs https://open.spotify.com/episode/2xqFLlirtMOCfcHqtnkfuv https://open.spotify.com/episode/4j60X6yzPIGkvmdAET3JZT Books: The Body – Bill Bryson Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/t-cells_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/03/blastocyst_article.pdf Websites: https://www.healthline.com/health/stem-cell-research#types

		<p>Videos: https://www.youtube.com/watch?v=AlSQEs694qY https://www.youtube.com/watch?v=GMBSU-2GK3E https://www.youtube.com/watch?v=y1DsaAzYamQ</p>
	Matter (Chemistry)	<p>Videos: https://www.youtube.com/watch?v=TYEYEluTmGQ https://www.youtube.com/watch?v=sG6QoLxwIw4&t=0s https://www.youtube.com/watch?v=Rc2JBp91V7o https://www.youtube.com/watch?v=dZGDUKQa_6g https://www.youtube.com/watch?v=HT1zAPQIBAQ https://www.youtube.com/watch?v=m0Uj7mSC6HU</p>
2	Energy (Physics)	<p>Podcast: https://open.spotify.com/episode/6zeQ5CvN3a1Q5zjen8btym</p> <p>Websites: https://orsted.co.uk/insights/expert-take/floating-wind-expertise-into-action</p> <p>Documentary: Harnessing the sun and wind: Inside our renewable energy future - https://www.youtube.com/watch?v=UeVfquZh9s</p> <p>Videos: https://www.youtube.com/watch?v=gj1tu8bTKij https://www.youtube.com/watch?v=lcQAshOHYJg https://www.youtube.com/watch?v=rNS-W7k0jts https://www.youtube.com/watch?v=Hs5x0-IU2F4 https://www.youtube.com/watch?v=HAPmwu7byGM https://www.youtube.com/watch?v=SCg81A6kww0 https://www.youtube.com/watch?v=MhEGS1zsApo https://www.youtube.com/watch?v=9W6S3FA-C6U</p>
3	Cycles and Interactions (Biology)	<p>Podcast: https://open.spotify.com/episode/1Rvi8v8ZyBozuolAMICBOE</p> <p>Websites: https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zdqx2v4</p> <p>Videos: https://www.youtube.com/watch?v=WsqP1O7388g https://www.youtube.com/watch?v=co0JdqUlycg&vl=en-GB</p>
	Matter (Chemistry)	<p>Websites: https://www.bbc.co.uk/bitesize/guides/zt9s2nb/revision/2</p> <p>Videos: https://www.youtube.com/watch?v=zI2vRwFKnHQ https://www.youtube.com/watch?v=UtZw9jflxXM https://www.youtube.com/watch?v=F_Y1-JieCrg https://www.youtube.com/watch?v=dftq9xGXcf8&list=PL9IouNCPbCxXTU7zSX4lvJDLrtCEmqEMU</p>
4	Reactions (Chemistry)	<p>Videos:</p>

	British Science Week	<p>https://www.youtube.com/watch?v=dstRL5xBOSk</p> <p>Books: Exploring Science: Working Scientifically The Science book: Big Ideas Simply Explained How to be good at science workbook</p> <p>Websites: https://collectionslibrary.crestawards.org/#tab_ethICKF5NwsMjQg8 https://www.britishscienceweek.org/app/uploads/2022/10/BSW23_tasterpack_secondary_.pdf</p> <p>Videos: https://www.youtube.com/watch?v=fH5iLx_jCUk</p>
5	Earth and Beyond (Chemistry)	<p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2021/07/legislation_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2017/12/hawaii_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/08/falcon_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2020/05/climate_ssa_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/recycle_article.pdf</p> <p>Videos: https://www.youtube.com/watch?v=t1Z3GINldLA https://www.youtube.com/watch?v=gVI99ffm8Lk https://www.youtube.com/watch?v=E9eGzPx1Dg</p>
	Cycles and Interaction (Biology)	<p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/wild-bees_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/04/bumble_bee_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/08/bee_brains_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/bee_diet_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/bee-distance_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/pesticide_article.pdf</p> <p>Websites: https://www.bbc.co.uk/bitesize/guides/z83qci6/revision/1</p> <p>Videos: https://www.youtube.com/watch?v=0mjafH5pVLA https://www.youtube.com/watch?v=IR2zllJuaD4 https://www.youtube.com/watch?v=2me1PjYk4sA</p>
6	Cycles and Interaction (Biology)	<p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2022/02/whales_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/02/cobenefits_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/03/pm2.5_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/10/lockdowns_article.pdf</p> <p>Documentaries: Seaspiracy (Netflix) Artifishal: The Fight to Save Wild Salmon - https://www.youtube.com/watch?v=XdNJOJAwT7I</p>

		<p>Videos: https://www.youtube.com/watch?v=LeH5FUKSPzU https://www.youtube.com/watch?v=6utMftGxual https://www.youtube.com/watch?v=urzpnjwazV0 https://www.youtube.com/watch?v=NFTSm3D2xrM</p>
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Year 10 and 11

Topic	Text
Organisms (Biology)	<p>Podcast: Types of Cells - https://open.spotify.com/episode/3nefd1eeMgQHMoFYK4v2aG Cell Specialisation in Animals - https://open.spotify.com/episode/4bee6BfV2rp3r2t9CprOdB Cell Specialisation in Animals 2 - https://open.spotify.com/episode/10M2jQEdCRJ7QhGMdzq0z6 Cell Specialisation in Plants - https://open.spotify.com/episode/1uRzpLSxWx5ePGgcGVCKvA The Heart - https://open.spotify.com/episode/7el6GDqRBPuRHBZs56Q4Vs Blood Vessels - https://open.spotify.com/episode/2xqFLlirtMOCfcHqtnkfuv Blood Vessels 2 - https://open.spotify.com/episode/4i60X6yzPIGkvmdAET3JZT</p> <p>Books: The Body – Bill Bryson The Story of the Human Body: Evolution, Health and Disease – Daniel Lieberman Life Lessons from a Brain Surgeon – Dr Rahul Jandial Diagnosis: Solving the Most Baffling Medical Mysteries – Lisa Sanders</p> <p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/t-cells_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/03/blastocyst_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2020/07/covid_malaria_tb_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/Cholera_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/05/aDNA_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/polio_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/04/phage_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2018/06/HIV_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/Herd_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2020/11/Sludge_article.pdf</p> <p>Websites: https://www.healthline.com/health/stem-cell-research#types https://www.nhs.uk/conditions/stem-cell-transplant/ https://www.nhs.uk/conditions/</p> <p>Documentaries: The Human Body: the ultimate frontier of complexity - https://www.youtube.com/watch?v=5tmxPAkvoNY</p>

	<p>Rotten (Netflix)</p> <p>Videos: Blood Vessels - https://www.youtube.com/watch?v=ALSQEs694qY The Heart - https://www.youtube.com/watch?v=GMBUSU-2GK3E Structure of the Heart - https://www.youtube.com/watch?v=y1DsaAzYamQ Cardiovascular Diseases - https://www.youtube.com/watch?v=5wSfCZESRHU Bacterial Structure and Functions - https://www.youtube.com/watch?v=b15Hy3jCPDs Microscopy - https://www.youtube.com/watch?v=-dIBinUdeU Cell Cycles, Chromosomes and Mitosis - https://www.youtube.com/watch?v=RHyZVmbiA78&t=202s Comparing Mitosis and Meiosis - https://www.youtube.com/watch?v=IQJ4DBkCnco Mitosis Vs Meiosis - https://www.youtube.com/watch?v=bRcjB11hDCU Stem Cells in Medicine – https://www.youtube.com/watch?v=5IN2NrGBOYY Active Transport - https://www.youtube.com/watch?v=tM0bGaaQ2jY Digestive Enzymes - https://www.youtube.com/watch?v=VLK2wANjQm0 Effect of Temperature and pH on Enzymes - https://www.youtube.com/watch?v=Rfvh4LIsEEM Role of Bile in Lipid Digestion - https://www.youtube.com/watch?v=GOcWiYai7d4 Communicable and Non-Communicable Diseases: https://www.youtube.com/watch?v=QYWNXp36O48</p>
Origins (Biology)	<p>Podcast:</p> <p>Books: The Gene – Siddhartha Mukherjee The Selfish Gene – Richard Dawkins Unweaving the Rainbow – Richard Dawkins The Ancestor’s Tale – Richard Dawkins Y: The Descent of Men – Steve Jones Francis Crick: Discoverer of the Genetic Code – Matt Ridley</p> <p>Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2022/07/gonads_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2017/06/voles_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/rhino_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/target_mpa_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/08/falcon_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/05/aDNA_article.pdf</p> <p>Websites: https://www.bbc.co.uk/bitesize/guides/zgcxsbk/revision/1</p> <p>Documentaries: Extinction: The Facts – David Attenborough: https://www.bbc.co.uk/programmes/m000mn4n</p> <p>Videos: https://www.youtube.com/watch?v=7VM9YxmULuo https://www.youtube.com/watch?v=jphrpR9ffKA&t=111s</p>
Cycles and Interaction (Biology)	<p>Journals:</p>

	<p>https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/wild-bees_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/04/bumble_bee_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/08/bee_brains_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/bee_diet_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/bee-distance_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/pesticide_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/02/whales_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/02/cobenefits_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/03/pm2.5_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/10/lockdowns_article.pdf</p> <p>Websites: https://www.bbc.co.uk/bitesize/guides/z83qcj6/revision/1</p> <p>Documentaries: Seaspiracy (Netflix) Artifishal: The Fight to Save Wild Salmon - https://www.youtube.com/watch?v=XdNJ0JAwT7I</p> <p>Videos: https://www.youtube.com/watch?v=0mjafH5pVLA https://www.youtube.com/watch?v=IR2zllJuaD4 https://www.youtube.com/watch?v=2me1PjYk4sA https://www.youtube.com/watch?v=LeH5FUKSPzU https://www.youtube.com/watch?v=6utMftGxual https://www.youtube.com/watch?v=urzpnjwazV0 https://www.youtube.com/watch?v=NFTSm3D2xrM</p>
Matter (Chemistry)	<p>Websites: https://www.bbc.co.uk/bitesize/guides/zt9s2nb/revision/2</p> <p>Videos: https://www.youtube.com/watch?v=zI2vRwFKnHQ https://www.youtube.com/watch?v=UtZw9jflxXM https://www.youtube.com/watch?v=F_Y1-JieCrg https://www.youtube.com/watch?v=dftq9xGXcf8&list=PL9louNCPbCxXTU7zSX4IvJDLrtCEmqEMU https://www.youtube.com/watch?v=TYEYEIuTmGQ https://www.youtube.com/watch?v=sG6QoLxwIw4&t=0s https://www.youtube.com/watch?v=Rc2JBp91V7o https://www.youtube.com/watch?v=dZGDUKQa_6g https://www.youtube.com/watch?v=HT1zAPQIBAQ https://www.youtube.com/watch?v=m0Uj7mSC6HU</p>
Reactions (Chemistry)	<p>Podcast: Books: Websites: Documentary:</p>

	<p>Videos: https://www.youtube.com/watch?v=dstRL5xB0Sk</p>
Earth and Beyond (Chemistry)	<p>Podcast: Books: Websites: Documentary: Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2021/07/legislation_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2017/12/hawaii_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2021/08/falcon_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2020/05/climate_ssa_article.pdf https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/recycle_article.pdf Videos: https://www.youtube.com/watch?v=t1Z3GINldLA https://www.youtube.com/watch?v=gVl99ffm8Lk https://www.youtube.com/watch?v=E9eGzPxA1Dg</p>
Energy (Physics)	<p>Podcast: https://open.spotify.com/episode/6zeQ5CvN3a1Q5zjen8btym Websites: https://orsted.co.uk/insights/expert-take/floating-wind-expertise-into-action Documentary: Harnessing the sun and wind: Inside our renewable energy future - https://www.youtube.com/watch?v=UeVfjiuZh9s Videos: https://www.youtube.com/watch?v=gj1tu8bTKjl https://www.youtube.com/watch?v=lcQAshOHYJg https://www.youtube.com/watch?v=rNS-W7k0jts https://www.youtube.com/watch?v=Hs5x0-IU2F4 https://www.youtube.com/watch?v=HAPmwu7byGM https://www.youtube.com/watch?v=SCg81A6kww0 https://www.youtube.com/watch?v=MhEGS1zsApo https://www.youtube.com/watch?v=9W6S3FA-C6U</p>
Electricity and Magnetism (Physics)	<p>Podcasts: https://open.spotify.com/episode/35RWmZ36u0bS5W2rp3FQQa https://open.spotify.com/episode/3Jn9OrTi9XUZ5PrQiREp4c https://open.spotify.com/episode/1iw2yqQrsezMDqeb9nh1IM https://open.spotify.com/episode/3UWIA2fNsO131XlnAXm2HS Journals: https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/wind-tree-article.pdf</p>

	<p>Websites: https://www.bbc.co.uk/bitesize/guides/z437hyc/revision/1</p> <p>Videos: https://www.youtube.com/watch?v=8Z0jhQeYDUE https://www.youtube.com/watch?v=R3hdaLpq2AA https://www.youtube.com/watch?v=ZQurBlu35Fo https://www.youtube.com/watch?v=jNFXtjt5mul</p>
Waves (Physics)	<p>Podcast: Books: Websites: Documentary: Videos:</p>

<p>A-Level/Further Education wider reading BIOLOGY</p>	<p>Reading:</p> <ul style="list-style-type: none"> • Nature and New Scientist magazines (articles are often posted on social media). • The Chemistry of Life - Steven Jones. • Language of the Genes and Almost Like a Whale - Steven Jones. • Genome - Matt Ridley. • The Wisdom of the Genes - Christopher Wills. • Darwin's Dangerous Idea - Daniel Dennett. • The Selfish Gene and The Extended Phenotype - Richard Dawkins. • Virolution - Frank Ryan. • Life Ascending - Nick Lane. • The Revenge of Gaia - James Lovelock. • 50 Genetic Ideas You Really Need to Know - Mark Henderson. • Zoobiquity - Barbara Natterson-Horowitz and Kathryn Bowers. • Creation: The Origin of Life - Adam Rutherford. • Maths Skills for A level Biology. <p>Websites: www.arkive.org www.ted.com https://ed.ted.com/lessons?category=science-technology www.thenakedscientists.com www.nuffieldfoundation.org/practical-biology www.youtube.com/user/Kurzgesagt www.youtube.com/user/thehealthcatriage www.youtube.com/user/Kurzgesagt</p>
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<p>A-Level/Further Education wider reading CHEMISTRY</p>	<p>Reading:</p> <ul style="list-style-type: none"> • New Scientist Magazine (articles are often posted on social media). • RSC Magazine (requires subscription to the RSC but is often only £1 for students). • Chemistry - Zach Brock. • Principles of Biochemistry - Abraham White, Philip Handler and Emil Smith. • Chemistry for Changing Times - John Hill, Terry McCreary and Doris Kolb. • Materials Science - E. N. Ramsden. • The Periodic Kingdom - P. W. Atkins. • The Disappearing Spoon - Sam Kean. • Maths Skills for A Level Chemistry. <p>Websites:</p> <p>www.ted.com www.thenakedscientists.com www.chemguide.co.uk www.physicsandmathstutor.com/chemistry-revision www.rsc.org</p>
<p>A-Level/Further Education wider reading PHYSICS</p>	<p>Reading:</p> <ul style="list-style-type: none"> • In Search of Schrodinger's Cat and In Search of the Multiverse - John Gribben. • The Physics of the Impossible - Michio Kaku. • Hyperspace Marauder - Lo Khan. • Surely You're Joking Mr Feynman - Richard Feynman. • The Trouble with Physics - Lee Smolin. • How to Teach Quantum Physics to your Dog - Chad Orzel. • 50 Physics Ideas You Really Need to Know - Joanne Baker. • About Time - Adam Frank. • The Particle at the End of the Universe - Sean Carroll. • The Quantum Universe - Brian Cox and Jeff Forshaw. • Maths Skills for A Level Physics. <p>Websites:</p> <p>www.isaacphysics.org www.physicsandmathstutor.com www.ted.com www.thenakedscientists.com www.rigb.org/christmas-lectures www.iop.org www.newscientist.com</p>
<p>Other Books</p>	<p>A Short History of Nearly Everything – Bill Bryson The Blind Watchmaker – Richard Dawkins The Magic of Reality – Richard Dawkins</p>

Bad Science – Ben Goldacre
The Gene – Siddhartha Mukherjee
Women in Science: 50 Fearless Pioneers Who Changed the World – Rachel Ignotofsky
The Boy Who Harnessed the Wind – Bryan Mealer and William Kamkwamba
The Universe in Your Hand: A Journey Through Space, Time, and Beyond – Christophe Galfard
Fun Science: A Guide to Life, The Universe & Why Science Is So Awesome – Charlie McDonnell