

Weblinks to articles for promoting class discussion in Core Maths & links to other support

Covid

1. <https://rss.org.uk/news-publication/news-publications/2020/general-news/rss-launches-new-covid-19-task-force/>
 2. <https://www.rss.org.uk/policy-campaigns/policy/covid-19-faqs/>
 3. <https://rss.org.uk/RSS/media/File-library/News/2021/RSS-statement-on-surveillance-in-schools-5-March-2021.pdf>
 4. <https://www.medrxiv.org/content/10.1101/2020.08.19.20178137v1>
 5. <https://www.theguardian.com/world/2021/apr/18/obscure-maths-bayes-theorem-reliability-covid-lateral-flow-tests-probability>
 6. <https://www.bbc.co.uk/news/uk-51768274> & <https://www.gov.uk/government/collections/slides-and-datasets-to-accompany-coronavirus-press-conferences>
 7. <https://www.bbc.co.uk/news/world-51235105>
 8. <https://www.bbc.co.uk/news/health-57075503> & [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(21\)01115-6/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)01115-6/fulltext)
 9. <https://www.bbc.co.uk/news/health-57150871> & https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/986709/S1237_SPI-M-O_Consensus_Statement.pdf
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Infectious diseases

1. <https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Pandemics-How-Are-Viruses-Spread/>
 2. <https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>
 3. <https://www.stem.org.uk/resources/elibrary/resource/26576/epidemics>
 4. <http://www.pandemsim.com/data/index.php/make-your-own-sir-model/>
 5. <https://www.sciencedirect.com/science/article/pii/S2468042719300491>
 6. (see also: <https://www.stem.org.uk/resources/elibrary/resource/36090/cormathzadrine>)
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Global warming

1. <https://www.bbc.co.uk/news/av/science-environment-51282867/antarctica-melting-journey-to-the-doomsday-glacier>
 2. <https://www.bbc.co.uk/news/science-environment-51097309>
 3. <https://www.dailymail.co.uk/sciencetech/article-7938183/Scientists-drilled-Antarcticas-doomsday-Thwaites-glacier.html>
 4. <https://www.wired.com/story/antarctica-thwaites-glacier-breaking-point/>
 5. https://en.wikipedia.org/wiki/Thwaites_Glacier
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Cost of rents

1. <https://www.bbc.co.uk/news/business-44046392>
 2. <https://www.bbc.co.uk/news/topics/cp7r8vgl2rgt/reality-check>
 3. <https://www.ons.gov.uk/economy/inflationandpriceindices/bulletins/indexofprivatehousingrentalprices/january2019>
 4. <https://www.gov.uk/government/statistics/private-rental-market-summary-statistics-october-2017-to-september-2018--2>
 5. <https://www.gov.uk/government/statistical-data-sets/live-tables-on-rents-lettings-and-tenancies>
 6. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/773007/LT_704.xlsx
 7. https://www.westminster.gov.uk/sites/default/files/city_profile.pdf
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Hormone replacement therapy

1. <https://www.bbc.co.uk/news/health-47471142>
 2. <https://www.bmj.com/content/364/bmj.l665>
 3. <https://www.thetimes.co.uk/article/hormone-replacement-therapy-in-menopause-linked-to-higher-alzheimer-s-risk-9sknv0p62>
 4. <https://www.nhs.uk/news/>
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Type 2 diabetes

1. <https://www.thetimes.co.uk/article/soup-and-shake-diet-shown-to-reverse-type-2-diabetes-wwfgxbrt6>
 2. <https://www.diabetes.org.uk/Research/Research-round-up/Research-spotlight/Research-spotlight-low-calorie-liquid-diet>
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999 ambulance waiting times

1. <https://www.bbc.co.uk/news/health-47362797>
 2. <https://www.kcl.ac.uk/sspp/policy-institute/publications/data-for-ambulance-dispatch.pdf>
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Car emissions

1. <https://equaindex.com/>
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Gender longevity gap

1. <https://www.thetimes.co.uk/article/db4025a6-dfcf-11e9-8221-1b98fc56091e>
 2. https://twitter.com/p_glaister/status/1177175314197295104/photo/1
 3. <https://www.kingsfund.org.uk/publications/whats-happening-life-expectancy-uk>
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Male infertility and prostate cancer

1. <https://www.bbc.co.uk/news/health-49808911>
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Dangers of drivers of expensive cars

1. <https://www.thetimes.co.uk/article/drivers-of-expensive-cars-are-more-dangerous-to-pedestrians-m0nbmzk80>
 2. <https://www.sciencedirect.com/science/article/pii/S2214140520300359>
 3. <https://www.iflscience.com/editors-blog/expensive-cars-are-less-likely-to-stop-for-crossing-pedestrians/>
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Plastic waste

1. <https://eia-international.org/wp-content/uploads/Checking-Out-on-Plastics-2-report.pdf>
 2. <https://www.bbc.co.uk/news/business-51223214>
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AI vs doctors

1. <https://www.bbc.co.uk/news/health-50857759>
 2. <https://www.nature.com/articles/s41586-019-1799-6>
 3. https://www.nature.com/articles/s41586-019-1799-6.epdf?referrer_access_token=IsiFPZfnVeKcB0LMdue-stRgN0jAjWel9jnR3ZoTv0M5zwPVx5jT4z_z-YkUZTBtbM27UWphyoF6vHoR667kKggCi8GNWj2oxgaEK9QGM_L12Qj2XG2htlhQgMs-Jn1mKBud25SpdBhOjYDX_GFMLTK44y2K7v497ZLTwD8IKoL8ITzPLsWB4xXOKg4LogkW6vIHCjHTx-rgu_nguO1lnr_T498tgP7c4luQkNHtfM%3D&tracking_referrer=www.bbc.co.uk
 4. <https://pubs.rsna.org/doi/pdf/10.1148/radiol.2016161174>
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Fermi estimation – politicians & Govt

1. <https://www.stem.org.uk/resources/elibrary/resource/36077/fermi-estimates>
 2. <https://www.bbc.co.uk/news/election-2019-50383018>
 3. <https://goo.gl/d9E1dC/> or <https://t.co/AUMyCfRVQW/> <https://parliamentlive.tv/event/index/066a04fe-51d7-4dcf-a9c3-20849bad75e8/> or <https://parliamentlive.tv/event/index/066a04fe-51d7-4dcf-a9c3-20849bad75e8?in=14:54:50&out=14:59:05> (Start Time: 14:54:50; End Time 14:59:05) or <https://tinyurl.com/vz3tfv> (audio clip) or <https://tinyurl.com/y9jfe4eo> (video clip)
 4. <https://www.bbc.co.uk/news/uk-politics-50237401>
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What sort of 'maths'?

1. <https://www.latimes.com/opinion/story/2019-10-23/math-high-school-algebra-data-statistics>
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[Books

1. <https://www.cambridge.org/gb/academic/subjects/mathematics/mathematical-modelling-and-methods/quantitative-reasoning-thinking-numbers>
 2. <https://www.amazon.co.uk/Hello-World-How-Human-Machine/dp/1784163066>
 3. <https://www.amazon.co.uk/Learning-Data-Statistics-Pelican-Books/dp/0241258766/>
 4. <https://www.amazon.co.uk/Life-Changing-Magic-Numbers-Bobby-Seagull/dp/0753552795>
 5. <https://www.amazon.co.uk/Maths-Back-Envelope-overcome-calculations/dp/0008324581>
 6. <https://www.amazon.co.uk/Level-Mathematical-Studies-Student-Maths/dp/0008116202/>
 7. <https://www.amazon.co.uk/OCR-Core-Maths-B-MEI/dp/1913963004>
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Great resources [not exhaustive and would love to add to these ...]

1. https://padlet.com/catherine_vansaarloos
 2. <https://reflectivemaths.wordpress.com/category/core-maths/>
 3. <https://www.stem.org.uk/core-maths>
 4. <https://www.stem.org.uk/resources/elibrary/resource/458941/using-nuffield-mathematics-resources-core-maths-aqa> (download <https://www.stem.org.uk/system/files/elibrary-resources/2019/09/Use%20of%20Nuffield%20Mathematics%20resources%20with%20AQA%20Core%20Maths.xlsx>)
 5. <https://www.stem.org.uk/resources/collection/459142/algebra> (10 resources)
 6. <https://www.stem.org.uk/resources/collection/459144/data-analysis> (7 resources)
 7. <https://www.stem.org.uk/resources/collection/459149/hypothesis-testing> (7 resources)
 8. <https://www.stem.org.uk/resources/collection/459150/personal-finance> (6 resources)
 9. <http://quibans.blogspot.com/>
 10. <https://rss.org.uk/news-publication/publications/law-guides/>
 11. <https://amsp.org.uk/> & <https://amsp.org.uk/students/core-maths/more-maths>
 12. <https://mei.org.uk/core-maths>
 13. <https://rss.org.uk/RSS/media/File-library/News/2021/RSS-statement-on-surveillance-in-schools-5-March-2021.pdf>
 14. <https://amsp.org.uk/news/em-3-nov20>
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