

SSR in Practice Vol. 103, issue 385: Supplementary information

Improving a departmental science curriculum – steadily, over time.

www.gov.uk/government/publications/research-review-series-science

www.ase.org.uk/curriculum-evolution

Practitioner Case Studies

www.gov.uk/government/collections/reducing-school-workload

<https://educationendowmentfoundation.org.uk/education-evidence/guidance-reports/metacognition>

<https://educationendowmentfoundation.org.uk/evidence-summaries/evidence-reviews/metacognition-and-self-regulation-review>

<https://educationendowmentfoundation.org.uk/education-evidence/guidance-reports/literacy-ks3-ks4>

Rates of reaction and rhubarb

<https://edu.rsc.org/download?ac=15063>

<https://edu.rsc.org/experiments/rate-of-reaction-of-potassium-manganatevii-and-oxalic-acid/745.article>

www.sserc.org.uk/subject-areas/chemistry/chemistry-resources/rhubarb-rhubarb

Determining the empirical formula of magnesium oxide – a microscale method

[PP063 Finding the formula of magnesium oxide](#)

www.millgatehouse.co.uk

How to build a rate of reaction experiment into a teaching sequence

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/800339/Combined_science_GCSE_updated_May_2019.pdf

www.gatsby.org.uk/education/programmes/support-for-practical-science-in-schools

<https://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/teaching-and-learning-materials/GCSE-9-1-Sciences-core-practical-guide.pdf>

<https://edu.rsc.org/lesson-plans/interpreting-rate-of-reaction-graphs-14-16-years/95.article>

Geophysics – a well-kept secret

www.prospects.ac.uk/job-profiles/nuclear-engineer

www.gov.uk/government/publications/skilled-worker-visa-shortage-occupations/skilled-worker-visa-shortage-occupations

www.unionlearn.org.uk/compare-average-pay-job.

www.stem.leeds.ac.uk/earthsciences/workshops

Sequencing life on Earth

www.darwintreeoflife.org/genomes/genome-notes

www.Yourgenome.org

www.youtube.com/watch?v=szFdV9fQkls

www.yourgenome.org/activities/genome-generation-express

www.yourgenome.org/video/my-career-in-genomics-antibiotic-resistance

https://www.darwintreeoflife.org/news_item/sequencing-all-life-explained-in-numbers

Sickle cell anaemia: awareness in a snapshot

www.healthcareers.nhs.uk/explore-roles/healthcare-science/roles-healthcare-science/life-sciences/biomedical-science

www.hematology.org/education/patients/anemia/sickle-cell-trait

<http://www.sicklecellsociety.org>

www.bbc.co.uk/bitesize/articles/zybdkty

Update on curriculum changes in Wales

<https://hwb.gov.wales/storage/94271c54-2aee-423a-b49f-4b6d7311edc6/190621-a-brief-summary-of-the-changes-planned-for-education-in-wales.pdf>

<https://gov.wales/sites/default/files/publications/2018-03/successful-futures-a-summary-of-professor-graham-donaldsons-report.pdf>

<https://hwb.gov.wales/curriculum-for-wales>

<https://hwb.gov.wales/api/storage/cbe5e2c9-16cf-4eb7-87a1-c1a64fc598d8/the-journey-to-2022.pdf>

Practical work: making it more effective

www.gettingpractical.org.uk/documents/RobinSSR.pdf

Questions for Sibel Erduran

<https://projectcalibrate.web.ox.ac.uk>

www.ase.org.uk/resources/school-science-review

Doing Retrieval Practice Better

<https://sites.google.com/view/efratfurst/meaning-first>

www.gov.uk/government/publications/research-review-series-science

https://shimamurapubs.files.wordpress.com/2018/09/marge_shimamura.pdf

www.ini.usc.edu

<http://www.humanconnectomeproject.org/wp-content/uploads/2012/04/Tracts-3-720x517.jpg>

Extended projects: unlocking student potential

None

Growing the technical STEM talent pipeline

www.teach-in-further-education.campaign.gov.uk

www.educationandemployers.org/research/drawing-the-future

www.gatsby.org.uk/education/focus-areas/good-career-guidance

www.et-foundation.co.uk/wp-content/uploads/2020/08/200729-ETF-FE-Sector-Guide-RGB-v10.pdf

www.ase.org.uk

www.gatsby.org.uk/education/programmes/support-for-practical-science-in-schools

<https://resources.careersandenterprise.co.uk/resources/engaging-parents-careers-guidance-innovations-practice>

www.medicalmavericks.co.uk

www.thisisengineering.org.uk

www.worldskillsuk.org/educator-resources

www.youtube.com/watch?v=43mfKt0VKOI

www.youtube.com/watch?v=O35ziN2hoi8

Major reforms to Scottish education – opportunities and concerns

www.iop.org/sites/default/files/2020-12/Subjects-Matter-IOP-December-2020.pdf

www.gov.scot/publications/putting-learners-centre-towards-future-vision-scottish-education

https://read.oecd-ilibrary.org/education/education-at-a-glance-2019_f8d7880d-en

www.oecd.org/education/scotland-s-curriculum-for-excellence-bf624417-en.htm

www.gov.scot/publications/oecd-review-of-curriculum-for-excellence-scottish-government-response

www.tes.com/magazine/news/general/teaching-time-way-above-average-scotland-report

www.researchgate.net/publication/356459829_Subjects_Matter_for_Scotland_An_Evidence_Paper