Relevant to your syllabus

***Education in Chemistry***January 2018[rsc.li/EiC118-preciouswater](http://www.rsc.li/EiC118-preciouswater)

The teaching ideas that accompany the above article ‘Precious water’ are relevant to the syllabuses and specifications listed below:

England

* AQA chemistry ([4.10.1.2 Potable water](http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF#page=74); [4.2.4.1 Sizes of particles and their properties](http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF#page=31); [4.4.3.4 Electrolysis of aqueous solutions](http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF#page=44))
* AQA synergy ([4.4.1.8 Sources of potable water](http://filestore.aqa.org.uk/resources/science/specifications/AQA-8465-SP-2016.PDF#page=64); [4.7.5.3 Electrolysis of aqueous solutions](http://filestore.aqa.org.uk/resources/science/specifications/AQA-8465-SP-2016.PDF#page=119))
* AQA trilogy ([5.10.1.2 Potable water](http://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF#page=110); [5.4.3.4 Electrolysis of aqueous solutions](http://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF#page=90))
* Edexcel chemistry ([2.12 Methods of separating and purifying substances](http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-L2_Chemistry.pdf#page=22); [3.22–3.31 Electrolytic processes](http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-L2_Chemistry.pdf#page=25))
* Edexcel combined science ([2.12 Methods of separating and purifying substances](http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-L2_Combined_Science.pdf#page=44); [3.22–3.31 Electrolytic processes](http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-L2_Combined_Science.pdf#page=47))
* OCR Gateway A Chemistry ([C2.3 Properties of materials](http://www.ocr.org.uk/Images/234598-specification-accredited-gcse-gateway-science-suite-chemistry-a-j248.pdf#page=26); [C3.4 Electrolysis](http://www.ocr.org.uk/Images/234598-specification-accredited-gcse-gateway-science-suite-chemistry-a-j248.pdf#page=37))
* OCR 21st Century B Chemistry ([C1.4 How can scientists help improve the supply of potable water?](http://www.ocr.org.uk/Images/234599-specification-accredited-gcse-twenty-first-century-science-suite-chemistry-b-j258.pdf#page=20); [C3.3 What are electrolytes and what happens during electrolysis](http://www.ocr.org.uk/Images/234599-specification-accredited-gcse-twenty-first-century-science-suite-chemistry-b-j258.pdf#page=31))

International

* IB (Topic 9: Redox processes, International mindedness) (Topic 9.2 Voltaic and electrolytic cells)
* Cambridge iGCSE (0620 [11.1 Water](http://www.cambridgeinternational.org/images/167037-2016-2018-syllabus.pdf#page=28); [Electricity and chemistry](http://www.cambridgeinternational.org/images/167037-2016-2018-syllabus.pdf#page=21))

Northern Ireland

* CCEA chemistry ([1.9.9 describe how water can be made potable, page 22](http://www.rewardinglearning.org.uk/common/includes/microsite_doc_link.aspx?docid=20998-1); [1.4 nanoparticles, page 13](http://www.rewardinglearning.org.uk/common/includes/microsite_doc_link.aspx?docid=20998-1); [2.7 electrochemistry, page 33](file:///C:\Users\blackburnl\Desktop\Revised-GCSE-CHEM-REVISED-Specification-2017-20998.pdf))
* CCEA Double ([1.4 nanoparticles, page 43](http://www.rewardinglearning.org.uk/common/includes/microsite_doc_link.aspx?docid=21087-1); [2.7 electrochemistry, page 65](file:///C:\Users\blackburnl\Desktop\Revised-GCSE-SCI-Double-Award-Unitised-REVISED-Specification-2017-21087.pdf))
* CCEA Single ([2.5.4 nanomaterials, page 24](http://www.rewardinglearning.org.uk/common/includes/microsite_doc_link.aspx?docid=21065-2))

Scotland

* Nat 5 ([3 Chemistry in society, electrolysis of solutions using a d.c. supply)](https://www.sqa.org.uk/files_ccc/ChemistryCourseSpecN5.pdf" \l "page=74)
* Higher National Unit ([DW5G 34](https://www.sqa.org.uk/files/hn/DDW5G34.pdf), Civil engineering specialisms)

Republic of Ireland

* Leaving certificate ([9.3 water treatment](http://curriculumonline.ie/getmedia/7bdd3def-f492-432f-886f-35fc56bd3544/SCSEC09_Chemistry_syllabus_Eng.pdf#page=29))

Wales

* WJEC Chemistry ([1.3.c the treatment of the public water supply](http://www.wjec.co.uk/qualifications/science/gcse/chemistry-gcse-2016/wjec-gcse-chemistry-spec-from-2016.pdf?language_id=1#page=14); [2.1 Bonding, structure and properties, mathematical skills](http://www.wjec.co.uk/qualifications/science/gcse/chemistry-gcse-2016/wjec-gcse-chemistry-spec-from-2016.pdf?language_id=1#page=20); 2.3.n electrolysis of aqueous [solutions](http://www.wjec.co.uk/qualifications/science/gcse/chemistry-gcse-2016/wjec-gcse-chemistry-spec-from-2016.pdf?language_id=1#page=25)
* WJEC Double ([1.3.1.f the treatment of the public water supply](http://www.wjec.co.uk/qualifications/science/gcse/applied-science-double-gcse-2016/wjec-gcse-applied-science-double-spec-from-2016.pdf?language_id=1#page=24))
* WJEC Single ([1.2.1.f the treatment of the public water supply](http://www.wjec.co.uk/qualifications/science/gcse/applied-science-double-gcse-2016/wjec-gcse-applied-science-double-spec-from-2016.pdf?language_id=1#page=19))

Will you use this article and resources with your students? What would make it more useful to you in the classroom? Let us know: [eic@rsc.org](mailto:eic@rsc.org)