Relevant to your syllabus

Education in Chemistry
January 2018
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; 4.2.4.1 Sizes of particles and their properties; 4.4.3.4 Electrolysis of aqueous solutions)
- AQA synergy (4.4.1.8 Sources of potable water; 4.7.5.3 Electrolysis of aqueous solutions)
- AQA trilogy (5.10.1.2 Potable water; 5.4.3.4 Electrolysis of aqueous solutions)
- Edexcel chemistry (2.12 Methods of separating and purifying substances; 3.22–3.31 Electrolytic processes)
- Edexcel combined science (2.12 Methods of separating and purifying substances; 3.22–3.31 Electrolytic processes)
- OCR Gateway A Chemistry (C2.3 Properties of materials; C3.4 Electrolysis)
- OCR 21st Century B Chemistry (C1.4 How can scientists help improve the supply of potable water?; C3.3 What are electrolytes and what happens during electrolysis)

International
- IB (Topic 9: Redox processes, International mindedness) (Topic 9.2 Voltaic and electrolytic cells)
- Cambridge iGCSE (0620 11.1 Water; Electricity and chemistry)

Northern Ireland
- CCEA chemistry (1.9.9 describe how water can be made potable, page 22; 1.4 nanoparticles, page 13; 2.7 electrochemistry, page 33)
- CCEA Double (1.4 nanoparticles, page 43; 2.7 electrochemistry, page 65)
- CCEA Single (2.5.4 nanomaterials, page 24)

Scotland
- Nat 5 (3 Chemistry in society, electrolysis of solutions using a d.c. supply)
- Higher National Unit (DW5G 34, Civil engineering specialisms)

Republic of Ireland
- Leaving certificate (9.3 water treatment)

Wales
- WJEC Chemistry (1.3.c the treatment of the public water supply; 2.1 Bonding, structure and properties, mathematical skills; 2.3.n electrolysis of aqueous solutions)
- WJEC Double (1.3.1.f the treatment of the public water supply)
- WJEC Single (1.2.1.f the treatment of the public water supply)

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