# What a waste!

***Education in Chemistry***September 2018rsc.li/[2OQ4sjD](https://rsc.li/2OQ4sjD)

# Relevant to your syllabus

**The teaching ideas that accompany the above article ‘What a waste!’ are relevant to the syllabuses and specifications listed below.**

England

* Key stage 3 science, national curriculum: [Materials: properties of ceramics, polymers and composites (qualitative)](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/335174/SECONDARY_national_curriculum_-_Science_220714.pdf#page=9)
* AQA GCSE chemistry: [4.10.2 Life cycle assessment and recycling](https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF#page=76)
* AQA synergy: [4.4.2.7 Positive human impacts on ecosystems](https://filestore.aqa.org.uk/resources/science/specifications/AQA-8465-SP-2016.PDF#page=68)
* AQA trilogy: [5.10.2.2 Ways of reducing the use of resources](https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF#page=113)
* Edexcel GCSE chemistry: [9.24C Explain the advantages and disadvantages of recycling polymers](https://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/GCSE_Chemistry_Spec.pdf#page=42)
* Edexcel combined science: [4.10 Evaluate the advantages of recycling materials](https://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/GCSE_CombinedScience_Spec.pdf#page=48)
* OCR gateway chemistry: [C6.1n Evaluate factors that affect decisions on recycling](https://www.ocr.org.uk/Images/234598-specification-accredited-gcse-gateway-science-suite-chemistry-a-j248.pdf#page=53)
* OCR 21st century chemistry B: [C4.5 What happens to products at the end of their useful life?](https://www.ocr.org.uk/Images/234599-specification-accredited-gcse-twenty-first-century-science-suite-chemistry-b-j258.pdf#page=45)

International

* Cambridge iGCSE chemistry (2019): [14.8.2 Synthetic polymers](http://www.cambridgeinternational.org/Images/329747-2019-syllabus.pdf#page=25)

Scotland

* Curriculum for excellence benchmarks: [Chemical changes, SCN 4-18a](https://education.gov.scot/improvement/documents/sciencesbenchmarkspdf.pdf#page=45)

Republic of Ireland

* Junior cycle specification: [Strand three: Chemical world, sustainability](https://www.curriculumonline.ie/getmedia/153bc83f-9848-49f0-ad87-0a0d6b9b596c/Specification-for-Jr-Cycle-Science-EV_20160126-%281%29.pdf#page=18)

Northern Ireland

* Key stage 3 science, statutory requirements: [Investigate effects of pollution … and specific measures to improve and protect the environment](http://ccea.org.uk/sites/default/files/docs/curriculum/area_of_learning/science_technology/ks3_science.pdf#page=1)
* CCEA single award: [4.36 evaluate the problems with the disposal of plastics](http://ccea.org.uk/general_science/)

Wales

* Key stage 3 science, national curriculum: [the properties of sustainable materials](http://learning.gov.wales/docs/learningwales/publications/140624-science-in-the-national-curriculum-en-v2.pdf#page=19)
* WJEC chemistry: [2.5 (r) the environmental issues relating to the disposal of plastics](http://www.wjec.co.uk/qualifications/science/gcse/chemistry-gcse-2016/wjec-gcse-chemistry-spec-from-2016.pdf?language_id=1#page=28)
* WJEC double award: [1.3.2 (s) persistence of plastics in the environment](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=27)
* WJEC single award: [1.2.2 (s) the persistence of plastics in the environment](http://www.wjec.co.uk/qualifications/science/gcse/applied-science-single-gcse-2016/wjec-gcse-applied-science-single-spec-from-2016.pdf?language_id=1#page=22)