

Complete teaching ideas

Education in Chemistry

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rsc.li/2JbAXsJ

These teaching ideas accompany the article [Poisoned by milk](#).

In your class

Chromatography is one of the most accessible and engaging topics in chemistry; pupils often leave primary school having done some chromatography experiments. Because of this, they may feel they have already covered the whole topic, but they often don't understand chromatography well. Additionally, some pupils think techniques studied in school science must be old fashioned and not much use in modern science. This short article is perfect for sharing with students, showing them that chromatography is still at the cutting edge of analytical science.

Download the text of this article, and all the related worksheets from the *Education in Chemistry* website at rsc.li/2JbAXsJ

Is the label lying?

Finding food fraud with chromatography, ages 11–14 and 14–16

Download worksheets for 11–14 or for 14–16 that use the food fraud concept to frame questions about chromatography's underlying concepts. You will also find a teacher guide with answers.

More recommended resources

You can use a number of resources on Learn Chemistry to add variety to chromatography lessons.

- Pupils investigate the colours in jelly babies in this experiment, which is suitable for a science club: rsc.li/2KOMDzi.
- This open-ended extension practical gets 16–18 year olds investigating colour-changing felt tip pens: rsc.li/2rw5irE.
- This chapter from the textbook *That's chemistry!* has concept cartoons and resources, and is useful for primary teachers and non-specialist teachers of 11–14 chemistry: rsc.li/2G27ZWh.
- The structure determination chapter of *Starters for ten* has short in-class activities. These are useful for teaching thin-layer and GC-MS to advanced students and 16–18 year olds: rsc.li/2jNHknF.
- If you need support developing your knowledge in analytical chemistry, this online CPD course takes you through the core content you need to teach, common student misconceptions, experimental techniques and interesting stimuli for classroom discussion: rsc.li/2KQ1Jon [£].