



## BLENDED SENSES: UNDERSTANDING SYNAESTHESIA 8

What would it be like if numbers and musical tones had colours? People with synaesthesia experience the world in this way – and scientists are trying to find out why.



## EDITORIAL

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Looking back, there's no doubt that my own schoolteachers' enthusiasm for science rubbed off on me. I have fond memories of my science lessons, from creating film-canister rockets in chemistry to scouring the playground for insects in biology. Without these experiences, I might not have followed the path that has led me to where I am today: the *Science in School* office at the European Molecular Biology Laboratory, nestled in the scenic hills of Heidelberg, Germany.

This issue, my first as a *Science in School* editor, is full of ideas to enthuse your students and inspire the next generation of scientists. Explore the neurological phenomenon of synaesthesia, where letters or numbers evoke visual sensations such as colours, sounds and smells (page 8), or the revolutionary gene-editing technique, CRISPR-Cas9 (page 18). Delve deep inside our planet and discover how scientists are reconstructing the behaviour of Earth's mantle (page 15), or travel back in time to tackle one of the big remaining mysteries in animal evolution (page 12).

If you prefer hands-on activities, learn how to bring robotics into a chemistry lesson (page 42) or create a cellophane membrane to simulate a neuron in the classroom (page 28). For something closer to home, how about exploring the nature of fire (page 46) or predicting the weather using thermodynamics (page 36)? And for younger students, there's a fun activity to find out what happens inside magnets (page 32).

To spark your own imagination, meet Andy Brunning, the teacher and mastermind behind the chemistry graphics of Compound Interest (page 25), or hear from a Finnish physics teacher about his students' sky-high adventures in ESA's CanSat competition in Portugal (page 22).

We hope you enjoy using these resources. Do share your experiences, photos and even videos with us on social media, or by dropping us an email (editor@scienceinschool.org) – we love to hear how you use our articles and how your students respond.

Lastly, I'm delighted to be part of the *Science in School* team, of which you – our readers, authors, reviewers and translators – are a fundamental part. In 2017, I hope to meet some of you at forthcoming workshops, festivals and conferences, and I look forward to hearing your ideas for the future of the journal.

*Hannah Voak*

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