

ASE International

No 7 ■ August 2019



*Cross-curricular
science (primary)*

Little Inventors

Early Years

Science in early
childhood education

Secondary

Real-life global contexts

Professional development

Ocean Literacy

Research

Ask a researcher



The Association
for Science Education
Promoting Excellence in Science Teaching and Learning

An ASE publication for international members of the Association

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ASE International: About the journal

ASE International is sent to all international members of the Association for Science Education (ASE), as well as non-member delegates attending the most recent ASE Annual Conference.

Partners

ASE is very grateful to Gratnells for their continuing support for the three issues in 2019/20:

The logo for Gratnells, featuring the word "Gratnells" in a white, cursive font on a dark blue rectangular background.

In addition to their generous funding, Gratnells will be providing editorial pieces in each issue to help and support international teachers and technicians in their work.

Publication dates

August, January, May

Submission details

ASE would welcome submissions from anyone interested in teaching or working in school science internationally. Articles and short news pieces should be sent to Jane Hanrott, Executive Editor, at janehanrott@ase.org.uk in the first instance, as a Word document, and should be no longer than 4000 words.

Marc Neesam
Editor

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Editorial

■ Marc Neesam



This issue marks a period of change for ASE. We are about to welcome Hannah Russell as our new CEO, Simon Quinnell is the new Chair-Elect of the Association and Professor Chris Harrison has taken on the exciting role of the Annual Conference Honorary Secretary.

It is also a period of change for the International Group at ASE. As Chris focuses on supporting ASE in other ways, including with the Annual Conference, I find myself as Chair of the International Group and Editor of this journal. I want to take the opportunity to thank Chris for all her work with the Group, the International Day and this journal. I hope many of you will take the opportunity to give your thanks to Chris when you see her in her new role at ASE Reading 2020.

The International Group is already looking forward to the International Day at Reading and we have been working hard to put together an exciting programme, which will be announced soon. As part of our plans for International Day we are hoping to introduce into the exhibition an opportunity for posters to be presented. Details about how to submit a poster to present at the Conference will be released online soon.

To start people thinking about Conference, we have included in this issue a range of articles from across the science education spectrum, from primary through to initial teacher training.

We have an article from **Katherine Mengardon**, who introduces a method, Little Inventors, to support primary learners in expressing how they view the world through considering creativity and how to bring children's science ideas to life.

José Cantó, Antonio De Pro and Jordi Solbes explore the perceptions of Spanish teachers about science in early childhood education, particularly on what science content is taught to young learners and how it is presented in teaching.

For secondary, **Julie Brown** explains the work of Practical Action and how real-life global contexts can be incorporated into science teaching. While the article highlights examples used in the lower secondary phase, it may also be of interest to those involved in primary and upper secondary science education.

We look at teacher professional development with **Catherine Lindsay Linsky**, specifically on the topic of ocean literacy, which is becoming an increasingly relevant and meaningful topic to teach.

We also have an interesting update from our partner, **Gratnells**, about the icons of the school science laboratory.

The issue is rounded off by Andy Markwick's 'Ask a Researcher' interview with **Justin Dillon**, Professor of Science and Environment Education at the University of Exeter.

At our new e-mail address **international@ase.org.uk**, we warmly welcome article submissions for future issues remain alongside any other items or comments that you want to share with the International Group.

I hope that you enjoy this issue and I look forward to hearing from you, and ideally meeting you at ASE Reading in January 2020.

Best wishes.

Marc Neesam, Editor of ASE International.
E-mail: international@ase.org.uk

