

Editorial

Welcome to the September issue of *EIS* and to a new school year like no other before...

In our last issue, we focused on teaching and learning during lockdown. This time we're looking at the return to classroom-based teaching, with a 'Back to School' special, providing a wealth of ideas and perspectives on how to support science teaching and learning in a post-lockdown world. There are articles on a CALM approach to Covid-19 curriculum catch-up for students aged 5-14; preparing for a new year with a newly qualified teacher; valuable advice on practical work post-lockdown, and an up-to-the-minute summary of practical work in the new 'normal'.

At ASE, we are committed to championing the role of hands-on practical science, both through the current crisis and in the future. The importance of this issue has been reflected in our recent activities, with over 1,500 people registering for our practical science webinar over the summer and almost 900 teachers and technicians responding to our online survey. These activities have highlighted both the pressure to catch up on content missed during lockdown and challenges associated with social distancing within classrooms and school laboratories, both of which will impact the likelihood and frequency of practical work being carried out over the next school year. In response to these issues, and with generous support from the Gatsby Foundation, we are also publishing a new report this September, looking at the *Good Practical Science* benchmarks through a Covid-19 lens and providing practical recommendations for schools, colleges and others working in this area. Please do visit the ASE website (www.ase.org.uk) to download a copy and look out for our practical science webinars, in partnership with learned societies, coming later this term.

Elsewhere in this issue you can find the first in a new regular section for early career teachers, with two of last year's newly qualified teachers providing a fascinating perspective on how Covid-19 has helped to shape and develop their practice.

And of course there's a look back at our online events over the past few months and ahead to our first ever online Annual Conference in January (we are very much looking forward to seeing you there!), as well as an overview of our new BEST STEPS resources and much more.

Lastly, I would like to thank Janice Griffiths for such wonderful support in her role as ASE Chair last year, and to welcome our new Chair, Simon Quinnell, who I'm very much looking forward to working with. Thank you also to all our committee members and others who have supported our Covid-19 activities. We are proud to be part of such a strong community. #wearetheASE



Hannah Russell
Chief Executive

Contents

Page

- 4. News
- 8: **NEW SECTION: Early career teaching (NQTs and RQTs)**
- 12. **Feature: Back to school: curriculum and practical science post-lockdown**
 - A CALM approach to curriculum catch-up (ages 5-14)
 - Preparation for a new year with NQTs
 - GCSE practical work post-lockdown
 - The role of microscale chemistry in practical work
 - Practical physics post-lockdown
 - Practical work in the new normal
- 21. ASE Futures
- 22. Urban Science
- 24. The Prep Room
- 26. Resources
- 27. ASE Green Tick evaluations
- 28. ASE Bookshelf
- 30. Events and conferences

Education in Science (EIS) is the ASE house magazine and is published four times a year. It is sent to all members as one of the many benefits of membership. The contents of this magazine do not necessarily represent the views or policies of ASE except where explicitly identified as such.

Editorial Contact:
Jane Hanrott
Janehanrott@ase.org.uk

Advertisement Manager:
Rebecca Dixon-Watmough
Rebecca@ase.org.uk or call 01254 247764

Typesetting and production: Karen Dyer

Printer: Stephen Austin and Sons, Hertford

Publisher: The Association for Science Education (ASE), College Lane, Hatfield, Herts. AL10 9AA. Registered charity no. 313123

Call 01707 283000
info@ase.org.uk
www.ase.org.uk

© ASE 2020

ISSN 0013-1377