Contents

Number 176 Jan/Feb 2023

3	Focus on	Learning 1	from I	ockd	own
	I OCUS OIIIII			0 6110	• • • • • •

4 In conversation with... Hiba El-Boghdadly

Helen Spring talks to teacher **Hiba El-Boghdadly** about her experiences of school after the lockdown

7 Children's experiences of lockdown: talking about invisible threats

Verity Jones and the **VIP-CLEAR team** researched the impact on children of the COVID-19 lockdown and the lessons we can learn

10 Why is outdoor learning good for our children's mental health?

Suzanne Robson reflects on the many benefits to children's learning and well-being of re-engaging with the outdoors

Busy helping bees: working scientifically in the early years to solve a meaningful problem

Mairéad Hourigan and **Aisling Leavy** report on their guideddiscovery, problem-based approach

17 Investigating with paper in lockdown

Rachel Linfield and **Erin Ireland** turned to basic and available resources to help children's science learning

Raising the limits on learning with technological tangibles

Allen Tsui showcases how children as young as 4 can learn to code with confidence and how robotics can support the return to learning in the classroom

We can work it out: can teaching primary school girls to collaborate impact their scientific enquiry skills?

Sheetal Kowalczyk describes her research into developing enquiry skills through collaborative approaches

- 27 Science clubs to inspire beyond the classroom
 Bryony Turford and Paul Tyler explore the why, how and what of
 science clubs
- 31 Reviews

Primary Science

Editor Robert Collins



Re-engaging with the outdoors – page 10



Helping the bees - page 13





Executive Editor **Helen Johnson**ASE editorial contact **Pauline O'Connor**Design/page makeup **Karen Dyer**Advertising **Rebecca Dixon-Watmough**



Cover: In conversation with... Hiba El-Boghdadly – page 4