

PGCE Primary Science Pathway Programme 2022-2023

Dear Trainee

Welcome to the Science Primary PGCE pathway! I am looking forward to meeting you in September for what I hope will prove to be an exciting and rewarding year for you. During the first week of the taught course, you will have access to the module study guide and the course reading lists. In the meantime, here are some suggested readings and activities to help you begin your journey to becoming a teacher.

Recommended reading

- Familiarise yourself with the 2014 **National Curriculum Programmes of Study for Science** for both Key Stage 1 and 2. You will find information and documents on the curriculum at <https://www.gov.uk/government/publications/national-curriculum-in-england-science-programmes-of-study/national-curriculum-in-england-science-programmes-of-study>
- Read one or two books from the science pathway list below. I have starred the Harlen & Qualter book as one you might consider purchasing. You can get second hand ones (6th or 7th Editions) for a few pounds online.
- Visit the Association of Science Education (ASE) website and consider joining this excellent science organisation. The ASE practitioners' journal 'Primary Science' is used extensively on the science modules and many previous science students have published articles in it. <http://www.ase.org.uk/home/>

I hope you have a wonderful summer and look forward to seeing you in September.

Harriet White

(Primary Science Pathway Lead)

Science Pathway Core Texts:

Cutting, R. and Kelly, O. (2015) [Creative Teaching in Primary Science](#): London: Sage.

This is a short book which gives a creative and meaningful context to science education.

Grigg, R. and Lewis, H. (2016) [A to Z of Learning Outside the Classroom](#) London: Bloomsbury

Learning outside the classroom will be a theme throughout this pathway, both for you and for your pupils; this book provides a practical and accessible guide to this area of education.

*** Harlen, W. & Qualter, A. (2018) [The Teaching of Science in Primary Schools \(Seventh Edition\)](#), London: David Fulton Publishers.**

This is a key text and I recommend that you have a copy – either digitally or in print. You can get sixth editions second hand and there is not too much difference between editions.

Kidd, D. (2020) A [Curriculum of Hope: As Rich in Humanity as in Knowledge](#): Independent Thinking Press. This is an inspirational book, exploring how good curriculum design can empower schools to build bridges between their pupils' learning and the world around them.

Peacock, G., Sharp, J., Johnsey, R., Wright, D., & Sewell, K. (2017). [Primary science: knowledge and understanding](#). Learning Matters.

This is focussed on science subject knowledge, grounded in the new National Curriculum

Waite, S. (ed.) (2011) [Children Learning Outside the Classroom: from Birth to Eleven](#). London: Sage.

Sue Waite has done a great deal of research into outdoor education in Devon, and this book looks at theoretical and global perspectives as well as practice and progression.

*** recommended purchase**