

Resources for Science PGCE

Recommended course books

Black, P. and Harrison, C. (1990) Science Inside the Black Box. London: GL Assessment

Darlington, H. and Bell, J.W. (2010) Biology Ideas and Experiments. Hatfield: Association of Science Education

Driver, R., Squires, A., Rushworth, P. and Wood Robinson, V. (2015) Making Sense of Secondary Science; Research into Children's Ideas. London: Routledge.

Hollins, M (Ed) (2011) ASE Guide to Secondary Science Education. Hatfield: Association of Science Education

Jerram, A. (2000) Teaching Physics to KS4 (Non Specialist Handbook.) London: Hodder

Murray Millar, R., Leach, J., Osborne, J., and Ratcliffe, M. (2006). Improving subject teaching: lessons from research in science education. London: Routledge.

Oversby, J. (Ed) (2012) ASE Guide to Research in Science Education. Hatfield: Association of Science Education

Reiss, M.(Ed) (2011) Teaching Secondary Biology. London: Hodder Education

Sherrington, T. (2014) Teach now! The joy of teaching science London: David Fulton

Williams, J.D. (2011) How Science Works: Teaching and Learning in the Science Classroom. London: Continuum

Wilson, E. (2000) Teaching Chemistry to KS4 (Non-specialist Handbook). London: Hodder Murray

For Pedagogical Subject Knowledge

Reiss, M. (Ed.). (2011). Teaching Secondary Biology. London: Hodder Education.

Winterbottom, M. (2000). Teaching Biology to KS4. (non-specialist handbook) London: Hodder & Stoughton.

Taber, K. (Ed.). (2012). Teaching Secondary Chemistry. London: Hodder Education.

Wilson, E. (2000). Teaching Chemistry to KS4. (non-specialist handbook) London: Hodder & Stoughton.

Sang, D. (Ed.). (2011). Teaching Secondary Physics. London: Hodder Education.

Jerram, A. (2000). Teaching Physics to KS4. (non-specialist handbook) London: Hodder & Stoughton.

Useful Websites

ASE

<https://www.ase.org.uk/>

Royal Society

<https://royalsociety.org/>

BEST

<https://www.stem.org.uk/best-evidence-science-teaching>

STEM Learning

<https://www.stem.org.uk/>

Education endowment foundation

<https://educationendowmentfoundation.org.uk/>

CLEAPSS

<http://science.cleapss.org.uk/>

SSERC

<https://www.sserc.org.uk/>

Health and Safety executive

<http://www.hse.gov.uk/>

Practical biology

<http://www.nuffieldfoundation.org/practical-biology>

Royal Society of Chemistry

<http://www.rsc.org/>

Learn Chemistry (RSC)

<http://www.rsc.org/learn-chemistry>

Institute of physics

<http://www.iop.org/>

Practical Physics

<http://www.practicalphysics.org/>

TES

<https://www.tes.com/>

Teachers TV

Various <https://www.youtube.com/user/ACLChannel0/videos>
<https://www.stem.org.uk/resources/collection/3590/teachers-tv>

