Challenging more able learners in science

New for 2019, this one-day course explores teaching and learning strategies to challenge and support those capable of attaining the highest grades in GCSE science.

Who should attend? Secondary science teachers, heads of science

Learning outcomes:

- Understand developments in GCSE science and implications for high achievers
- Explore the role of assessment objectives and impact on exam paper design
- Understand skills and strategies needed to secure top grades at GCSE
- Develop practical approaches to support and challenge more able learners
- Identify challenges and potential solutions for your school

Cost

- NACE members £230 +VAT
- Non-members £325 +VAT

Book your place online: www.nace.co.uk/events
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Programme

08:30 Coffee and registration
09:00 Outcomes for the day
09:15 Developments in GCSE science; implications for grades A/A* and 8/9
09:30 Developing effective provision
  • Assessment objectives and exam paper design
  • Applying ideas and procedures to novel contexts
  • Developing maths skills, extended writing, working scientifically
11:00 Refreshments
11:15 Securing the top grades
  • Conceptual complexity and complexity of demand
12:30 Lunch
13:15 Strategies to support more able learners
  • Focusing on question stems to ensure accuracy of responses
  • Mastery of equations and proficiency in graphs
  • Application questions and extended responses
  • Structured revisiting and intervention – prioritising effort
14:30 Refreshments
14:45 Action planning
  • Challenges for individual schools; responses and solutions
15:15 Evaluation
15:30 Close

Programme subject to change.

Workshop lead

Ed Walsh

Ed Walsh is an independent consultant in science education for the primary and secondary sectors, having been a secondary head of science, a county science adviser and a regional and senior adviser for the Secondary National Strategy. He has a wealth of experience and a successful track record in supporting schools to improve, develop and innovate in science teaching and provision.

Ed has published widely on science education and produced teaching materials, student text books and multimedia resources. He has developed and delivered numerous professional development events for teachers and heads of science and on behalf of organisations such as ASE and AQA.

As a NACE associate, Ed designs and delivers programmes on teaching more able learners in science, as well as writing for the NACE Essentials series on more able learners in science.

Bespoke support for your school

Alongside our annual programme of courses and conferences, our team of expert trainers and consultants are available to deliver in-school CPD, consultancy and review services, tailored to meet the needs of your staff, school and learners. This includes subject-specific support, as well as bespoke programmes for clusters, alliances, trusts and international schools.

Contact us to plan your programme: cpd@nace.co.uk

NACE CPD

With 35 years’ experience of supporting schools to develop high-quality provision for more able learners, NACE offers a range of courses and conferences throughout the year. All programmes are grounded in research and evidence-based good practice, linked to relevant curriculum and policy developments, and aligned with the DfE Standard for Teachers’ Professional Development.

For more information and our code of conduct, visit nace.co.uk/cpd

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