

IMPROVING SECONDARY SCIENCE

Free training programme for schools in the Newcastle area

This free, practical course is designed to support secondary schools to implement the evidence-based recommendations of the EEF's 'Secondary Science' guidance report.

Based on the EEF's guidance and rooted in the latest research, this professional development programme will help you **lead** the improvement of Science teaching, pupil progress, and GCSE outcomes.

Why take part in this programme?

- Free professional development, including **three days of training, one twilight** and **two sessions** of coaching.
- Opportunity to build professional networks in your area.
- £200 to support engagement with the programme.

Who should take part?

This programme is aimed at **Heads of Science**, with explicit support from their senior leader who has line management responsibility for Science.

Commitment Required

- All participating schools will need to sign a memorandum of understanding to sign up to the course.
- The Head of Science will need to attend all three training days. (Another Science teacher is encouraged to attend one of day 1, 2 or 3 and will need to take part in some elements of the in-school coaching sessions).
- Schools to provide time and support for Heads of Science to undertake the gap tasks between training sessions.
- Participating schools will need to be prepared to host and take part in 2 coaching sessions.

<p>Day 1 - 27 Sep 2019 Self-regulation and Science</p> <ul style="list-style-type: none"> • Why use evidence to support teaching? • Developing self regulation to help pupils direct their own learning. • Developing metacognition. • Understanding memory and how to support pupils to retain and retrieve knowledge. 	<p>Day 2 - 16 Jan 2020 Language and Practicals</p> <ul style="list-style-type: none"> • The importance of the language of Science. • How to develop scientific vocabulary and links to wider literacy. • Using practicals purposefully and understanding the implications of cognitive load. 	<p>Day 3 - 24 Apr 2020 Misconceptions and Models</p> <ul style="list-style-type: none"> • Why preconceptions and misconceptions are important. • How to identify them and what to do about them. • Using models to develop understanding and explicitly critiquing models to develop understanding.
<p>Twilight - 24 Jun 2020 Embedding and Developing Practice (2 hours 4pm-6pm)</p> <ul style="list-style-type: none"> • Understanding implementation. • Effective implementation planning. • How to create and embed change. 	<p>Coaching - TBA Evidence-based implementation (half day)</p> <ul style="list-style-type: none"> • Understanding priorities for developing Science teaching. • Support and challenge for implementation planning. 	<p>Coaching -TBA Evidence-based implementation (half day)</p> <ul style="list-style-type: none"> • Reviewing and adapting implementation. • Planning for spread or sustainability. • Planning for future improvements.

TRAINING LOCATION:

The Academy at Shotton Hall, Passfield Way, Peterlee, SR8 1AU