



# SCIENCE LEARNING PARTNERSHIP

## SLE PROFILE:

**Rachel Taylor** -  
SLE for Science -  
Chiltern Learning Trust  
based at Denbigh High School.

Rachel is an 'outstanding' teacher of science and has several years of middle leader experience. Within her previous experience she has provided bespoke outreach, consultancy, training to other schools in: secondary science, developing teaching and learning strategies, creating positive learning environments, coaching, mentoring, development of staff, implementing curriculum & assessment models and raising academic standards.

## BACKGROUND OF SCHOOL:

Local schools eligible to secure government funding due, in part, to small cohort sizes for the separate sciences. These include: Putteridge High School, Stopsley High School, All Saints Academy and Stockwood Park Academy.

## QUOTES:

'Rachel was a very good presenter who adapted to the audience'.  
'The students will now experience 'hands-on' application of some of the concepts covered in the course e.g. modelling addition polymers'.  
'We would love to have more frequent STEM training'.  
'Very good impact and very good resources to be used in lessons'.  
'Sessions were equally as useful because they provided good strategies that can be used in school'.

## METHOD: HOW?

AIM; To increase the capacity of local schools in offering the separate sciences and to ultimately increase student uptake of GCSE Biology, GCSE Chemistry and GCSE Physics courses.  
HOW: Audit of each department's needs was carried out to identify what support each individual department requires. Through collaboration with each head of science an action plan of CPD support and network meetings was implemented to include a series of sessions scheduled across the current academic year.

## FOCUS FOR SUPPORT:

Support currently being offered includes: a range of free STEM CPD courses to support teachers in various aspects of their planning and delivery of science, for example Managing Effective Practical Work, Triple Biology, Triple Chemistry, Triple Physics, Identifying & inspiring triple science, Raising attainment and Linear Assessment and a range of network meetings aimed at middle leaders - collaboration to share good practise and discuss changes to the new GCSE specifications.

## AIMS

## PURPOSE

## RATIONALE

# WHAT + WHY

Evaluate each course responding to the comments collated from feedback forms. Gather feedback from middle-leaders in terms of the impact of the project and further areas to target.

Primarily this year we have sought to set up a Science Learning Partnership within Luton and the surrounding areas, working in conjunction with the training school at Denbigh High, Milton Keynes. Moving forward it would be great to build on the success of this implementation to embed further quality and support more schools in developing their provision for students to access the separate sciences.

## NEXT STEPS:

New, consolidated an developed subject knowledge and understanding to teachers, increased confidence to teacher targeted concepts, effective resources to use with students, increased awareness of misconceptions and key language, 'hands-on' application of ideas and provide good strategies to be used in schools.

## IMPACT / RESULTS:

The course evaluations delivered so far are very positive. Quantitative data based on analysis of feedback to follow.

## EVALUATION:



CHILTERN  
LEARNING  
TRUST



CTSA  
CHILTERN TEACHING  
SCHOOL ALLIANCE