

Wyndham Primary Academy Enthuse Project 2014-2016



What was the intention of the Project?

To co-ordinate National Curriculum change in Science across the Teaching School Alliance Partnership (Fairfield Primary, Bispham Drive Primary, Chetwynd Road Primary, Wyndham Primary Academy, Sunnyside Primary, Portland and Glenbrook Primary schools).

To increase attainment for Years 1 and 5 (2 and 6) in our most able students.



Year 1

During year one of the project we established links with our primary schools and the areas in which they required the most support.

Our assessment of their needs meant that we could then organise and deliver tailored CPD to meet the needs of all.

Using our initial finding we were able to set up primary science boxes which are full of equipment specifically tailored to the Primary curriculum.

A list of this equipment was delivered to all of the schools in the trust and staff were invited from Wyndham to come to George Spencer in order to view what was available and how to make use of it.



Year 1 Cont...

We set out to develop a 'buzz' about Science in our partnership schools.

Schools were supplied with lab coats and goggles in order to help give a more 'scientific' feel to science sessions.

CPD sessions were organised to support specific areas of the curriculum where staff felt the least confident.

We utilized support from specialist leaders of education in developing our CPD programme and ensured staff were given the support they required to implement changes to the science curriculum in their schools.



Year 1 Cont...

Primary Science subject leader network meetings were set up and this allowed Science coordinators to benefit from best practice from each other.

One school achieved the PSQM

Developing the sustainability of the project during the first year was a priority and this was done through individual face to face meetings, afterschool CPD and twilight sessions.



Year 2

Year 2 saw a changeover of the secondary school link teacher, from Natalie Willsher to Kelly Hancock.

Schools invested more time in one to one support and were keen to take up the specific support from George Spencer.

Wyndham and Primary SCITT trainee teachers were provided with CPD focused on scientific enquiry within the primary curriculum. This was well received and led to further development of resources and schemes.



Year 2 cont....

Face to face CPD was again provided for both staff and students alike, including institute of Physics support for Wyndham and staff and student visits focusing on specific areas of the Science curriculum.

Over the course of Year 2, a total of over 200 Year 5 and Year 6 pupils visited George Spencer Academy to make use of specialist equipment and teaching support from subject specialists.

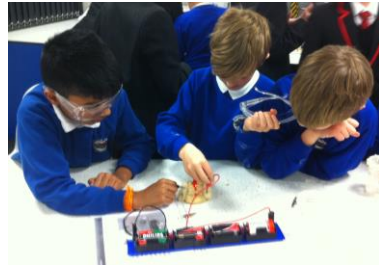
Over the course of the two years, we have delivered a total of over 180 hours of Science specific CPD.



We provide many enrichment opportunities to ensure children enjoy their learning.

Wyndham STEM leaders and Science Club

I enjoy being a
Science Leader.
- Yr 6 pupil



I love Science
club.
- Yr 2 pupil

A community science event was held after school to celebrate BSW 2016

Wyndham STEM leaders joined up with GSA STEM leaders to run a variety of activities.

Event Comments:

What a great idea.
They loved making
slime.
-Parent

It was busy but lots
of fun – when is the
next one?
- Parent

I would like another
afterschool science
fayre
– Yr 5 pupil

It was great to see so
many children and
parents enjoying
science.
- Head of School

Parents, children and teachers taking part in the event



Outcomes of the project

A collaborative approach to Science teaching - across both the partnership schools and also through the network meetings with secondary science involvement.

STEM leaders from George Spencer were used as a template for the STEM leaders created in Wyndham Academy

Sharing of best practice between schools was incredibly important and looking toward a more cohesive teaching of the new national curriculum clearly embedded in all schools

Enhanced profile of Science in all schools to help raise achievement in Science delivery

Availability of equipment for schools to ensure science provision is well catered for

PSQM successful in one school, two more are currently going through the process

Improved networking through Science subject leader meetings between all schools.

