St Peter’s Primary School
Promoting science capital through links with the community
Science capital is considered to effect our attitudes and dispositions towards science and begins to develop at the Primary phase.

It is effected by our day to day exposure to Science both in school and out and relates to our values, knowledge, attitudes and aptitude for the subject.

This exemplar shows how a rich immersion in “real” science can support science capital and open up possibilities for pupils through Primary school.
What the school says

At St Peter’s we have always worked hard towards forging links with many and varied members of our community because we believe this provides the children with an enriched and broad awareness of the world outside our school.

This has created a buzz of innovation and creativity by sharing what we do with local, national and international schools to go truly global!
Who do we know?

• Local primary and secondary schools
• National projects
• International schools
• Space projects – we are truly out of this world!
Local Primary and Secondary schools

“We link with a network of other Primary schools and invite them into our school to share our outdoor area.

Year 7 more able scientists visited us to take part in our science week – it raised the level of questioning from our pupils too.

“The network meeting at St Peter’s was so useful – I would definitely attend a termly session to share ideas and exemplar practice.” – Science lead from deanery school
National initiatives

• STEM ambassadors frequently come into school from Exxonmobil, BP, KBR, Pfizer, Surrey Wildlife Trust and Royal Holloway.

• We took part in Birdwatch and “What’s under your feet” project

• We entered the British Science Week poster competition

• “Reach Out” training provides CPD for teachers if and when they want it.
International links

- Guinness World Record attempt – we attempted to have the biggest Science lesson; every class in the school learnt about DNA and altogether we made a giant DNA strand.

- We link with a school in Denver, USA to share our science work.

“It’s so great to hear about what you are doing at St Peter’s – our pupils love hearing about what you are doing in Science and it gives us great ideas for what to include too. So interesting to compare carbon footprints.” – Staff at Bradford Intermediate School, Denver.

“I’ve never broken a world record before – I wonder if we’ll be in the book” – Year 5 boy
Space project

- The Royal Horticultural society helped us set up our Rocket Science experiment

- Linking the globally prominent Tim Peake’s stellar expedition with their knowledge of plant growth has proved to be a fabulous conduit for children to comprehend the value to their learning and progress.

“This experiment is a fantastic way of teaching our pupils to think more scientifically and share their findings with the whole community.” — Year 6 teacher and Science subject leader
The impact for our school was ..... 

The main impact was that all staff, pupils and families were involved in a rich program of events that served to enrich the Science curriculum within the school – leading to enhanced knowledge and expertise and therefore an exceptional level of engagement, at home and at school.
Science Subject Leader’s Comments

“Where Science learning is concerned at St Peter’s there are no limits: school, local, national, global and even inter-planetary!”

“With the achievement of the Gold PSQM we will continue to strengthen the links already established as well as forging new ones.”
What we will do next

• Continue to build on the *science capital* of every child at our school
• Support colleagues through *moderation* and *CPD* opportunities.
• *Science week* will become an annual event – including involvement of our secondary schools.
• Develop more *cross-curricular* links