







Science at Cardinal Newman

CPD Tom Holloway (Primary Science Teaching Trust PSTT)

- He came in to deliver lots of easy, practical activities that teachers could use in class
- He came in again to focus on the different enquiry skills element in Science. Looked at how v^{???}       ren to use scientific language eg comparative, pattern seeking, observations
- Science audit with myself looking at deep dive questions



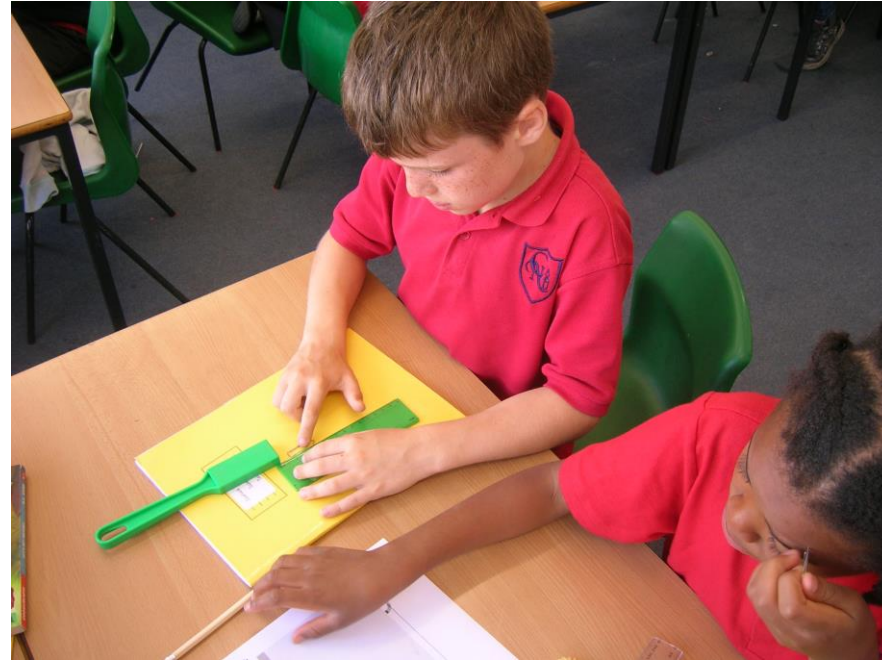
Tom Holloway Model Lessons

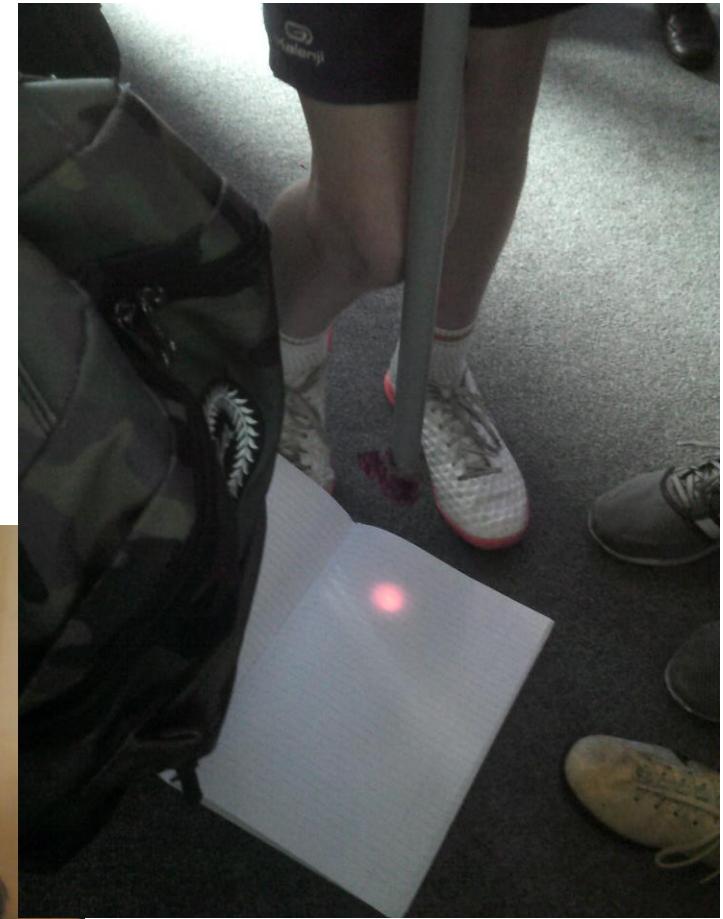


Year 1 –
Investigating
different plants and
flowers

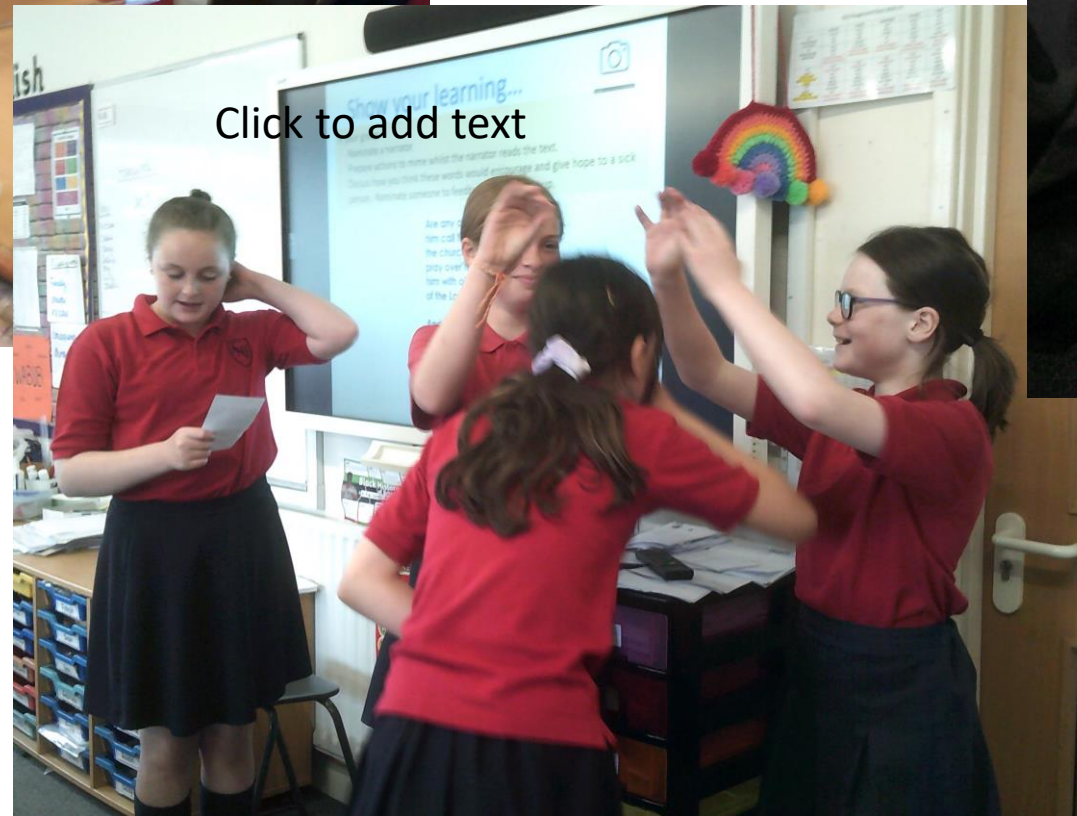


Year 3 – Forces and magnets

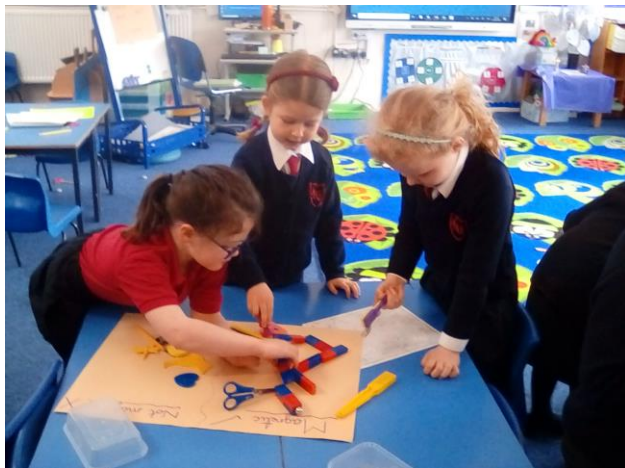




Year 6 – Investigating light



WOW Science Afternoon



Data

- Over 90% of children in Y1, 2, 3, 5 and 6 on track or higher
- Over 78% of children across the year groups are on track or higher
- Children working below the standard is under 20% in all year groups
- KS1 under 5% of children are working below
- KS2 on average 10% are working below

Year group	Working below	Working at or above
1	1.9%	98.1%
2	5.2%	94.8%
3	7.3%	92.7%
4	21.8%	78.2%
5	9.3%	90.7%
6	5.1%	94.9%

What have we done to adapt the curriculum?

- Over lockdown Science was taught weekly, with most year groups teaching it as a live lesson
- We had a range of resources: oak academy, curriculum, science fun at home from pstt trust
- Few year groups have picked up areas of learning that were done over lockdown eg Year 6, light to consolidate learning
- Next year teachers will be aware of the topics that were done over lockdown – look at misconceptions and further teaching to consolidate

Successes

- Consistency of books.
- Knowledge organisers.
- Science display board in every classroom.
- Good mix of practical and written work. Lots of good practise. Not just experiments for engagement.
- Marking is consistent and follows our policy.
- Lots of questioning and open ended questions.

Pupil Voice

- All children said they enjoyed Science lessons and had a lesson each week
- All children said they had a mixture of practical and written lessons
- Quotes:
 - "I loved learning about materials. Lots of bending, squishing, stretching. It was a good lesson" - Ella, Year 2
 - "Lessons are always fun" - Oscar, Year 2
- Number of children from KS2 said they would like more of the investigation first to find out information before being taught, pupil led
- A few children said they would love to access to resources at home

Future

- Raising the profile of science: star gazing, CPD, science fair, more competitions, trips
- Floor books- ways we can document learning when not in books
- Extending learning outside classroom: home learning, science in a rucksack for parents to take home, improve provision of science texts, project work