

Science

Science

	A/D	All Dis	
Cohort	0	91	43
School %		74	60
National %		81	86
Difference %		-7	-25

	Low		Middle		High	
	All	Dis	All	Dis	All	Dis
Cohort	11	8	41	22	37	13
School %	0	0	68	59	100	100
National %	29	33	84	87	99	99
Difference %	-29	-33	-16	-28	1	1
Diff (no of pupils)	-3	-2	-6	-6	0	0

	2+ pupils above national
	1 pupil above national
	1 pupil below national
	2+ pupils below national

KS2

74% Teacher Assessed as reaching the expected standard in KS2 compared with 81% nationally.

KS1

73% Teacher Assessed as reaching the expected standard compared with 82% nationally.

Science

	A/D	All Dis	
Cohort	0	89	23
School %		73	65
National %		82	85
Difference %		-9	-20

	Emerging		Expected		Exceeding	
	All	Dis	All	Dis	All	Dis
Cohort	28	8	45	14	12	1
School %	50	50	82	71	100	100
National %	47	51	88	91	98	99
Difference %	3	-1	-6	-19	2	1
Diff (no of pupils)	0	0	-2	-2	0	0

Science Ambassadors

- Two children from each year band Y1-Y6 have been chosen because they have shown an interest in Science or progressed well lately in Science.
- Their job is to write a short piece for the newsletter on what they have been doing in Science recently.
- Badges have been issued and were celebrated in their year band assembly.
- Ambassadors get first refusal on after school clubs (STEM and forest school).

Curriculum

- All planning is now in line with Curriculum 2014.
- Planning is reviewed each year and tailored to the class by the teachers. So all teachers teach the same lesson in their year band, but differentiate according to the children in their class.
- Science has reverted back to the class teacher's responsibility.
- To support teaching we use resources from many places including :

Pearson Science Bug- online resources, helpful videos.

Twinkl - has complete schemes of work but need tailoring to class as some were too difficult.

Science Day

Tuesday 1st November 2016

- Aim:- to engage the children in learning experiences outside of their science lessons.
- Topic: Food, food production and its sustainability.

Year 6 - Ashley Russell (actress) ran a drama show on the process of green beans reaching our table

Year 5 - Food miles

Year 4 - Production of palm oil

Year 3 - looking at packaging of food, sugar in our food and its effects on our health

Year 2 - Chicks- life cycle of the hen

Year 1 - chocolate- production and properties

PSQM - Primary Science Quality Mark

- Aim: to raise the profile of Science at St. Bernadette's
- Aiming for a June submission for a Silver Award.
- At the early stages of putting the evidence together for our application
- Gathering evidence and then focusing more on a couple of teachers and classes
- We will have a staff meeting in April focusing on Working Scientifically, the impact of this will feed into our application.
- Meet with Siobhan Farrelly, PSQM mentor, to keep her updated with progress. Due to meet before Easter again and report progress.

CPD

- I have continued to be supported to go on courses:
January 2017 I attended the Association of Science Education Annual conference in Reading.
We are part of the Bishop Challoner STEM network which meets once a term.
The impact of this is that we develop ideas and resources linked with the curriculum to enhance the teaching of Science within school.
Also a member of staff, who works closely with The Royal Society of Engineering, trains us in the use of resources to run a STEM club. These resources are then used in our after school STEM Club.

CPD

- Bishop Challoner host free Physics workshops provided by Richard Ager of the Institute of Physics. This is an area of weakness in my science subject knowledge. I will cascade the ideas to the appropriate year bands. The most recent workshop was on magnets and forces. Richard is also delivering a twilight training session on Forces, for the whole staff, Friday 10th March 2017.

After School clubs

- STEM club - 12 x KS2 children involved with activities relating to drones this half term (D.Dorian supports).
- Forest School - run by Guy Belding at the Eco-park (M. Scandrett supports).