



Department of Education, Sport and Culture

Rheynn Ynsee, Spoyrt as Cultoor

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Moderation of Science Record 2018-19

Fondaghey ny levalyn ayns Sheanse 2018-2019

Date – 4th May 2019 - 4^{oo} Boaldyn 2019

School *Scoil* – Bunscoil Ghaelgagh

Moderators *Baghteyryn* – redacted

Class teachers –Y1/2 redacted and Y5/6 redacted

School Context - There are 69 children on roll in 4 classes. These are arranged into mixed aged groups apart from Reception. Brastyl 1 - Reception, Brastyl 2 - Y1/2, Brastyl 3 - Y3/4 and Brastyl 4 - Y5/6.

The science coordinator redacted is currently on maternity leave but has been coordinating the subject for three years.

Science is not currently on the school SIP and has not been for a number of years.

The current science coordinator has attended coordinator meetings and has helped to make changes to teaching and learning in science since being in post.

There has been no in-house moderation of science and teachers plan using a variety of sources with science being part of a skills-based curriculum but often being taught discretely.

There is a rolling two year plan in place to enable the coverage of science topics with mixed-age classes. Staff use the local environment as a resource for some topics and the local church hall is also used for some

lessons as it enables the pupils to work in a larger space. Some equipment is occasionally borrowed from QE2 High School.

All lessons are taught through the medium of Manx Gaelic and the work scrutinised was in Manx Gaelic with Gaelic and English notations from the teachers. Pupil interviews with the moderators were, however, conducted in English.

Attainment in science is good at the end of KS1 and KS2 with 5-year results showing that this attainment is maintained at a high level. Staff use the DESC Science strands to assess work in science and the science tracker is being used by some staff on a trial basis.

There has been some transition work that has taken place and this has been through CSI days organised by some secondary schools. As the Bunscoil has no catchment area, transition with one particular secondary school is difficult although recently, Ballakermeen and QE2 have received the most children.

There has been no recent training or CPD for Science apart from the coordinator attending meetings and there have been no issues identified in terms of improving provision apart from the need to fund more resources. The headteacher has also attended the Education Show and the Science Show in England in recent years.

Activities During Visit

Meeting with the headteacher.

Review of maths books from the four pupils in order to find evidence for data handling.

Scrutiny of pupils' work.

Interviews with pupils.

Verbal feedback session with the headteacher.

Moderation Focus

Two pupils (girls) assessed at 2a and two pupils (girls) assessed at 4a. There were no boys in the sample as the school is small and there are currently no boys in Y6.

Individual Students:

Year 2 Pupils redacted

Levelled 2a

Evidence provided: Maths books, folders containing science work with some annotations by the teacher.

The Moderators agreed that both children were working at this level because:

The work in both folders was similar and both children showed when interviewed that they met the criteria for Level 2a.

There was also some evidence of a few of the Level 3 grade descriptors being met.

Overall Comments:

There was a good range of activities and these were evidenced by the range of photos, annotated work linked to level descriptors, and extra data that was provided.

Investigations were also apparent and comments from children were noted to show evidence of their understanding.

There was evidence of good cross-curricular links being made and also links to real-life situations.

The evidence provided also showed a good use of the local environment.

There was a good range of coverage across Sc2 and Sc3 and Sc4.

Both children could answer questions about keeping safe.

Year 6 Pupils redacted

Evidence provided: Maths books, designated science books containing science work with some annotations by the teacher.

The Moderators agreed with this level for both pupils because:

From the evidence provided, both children had met a good number of the level descriptors for Level 4 as well as some for Level 5. Although one pupil was close to achieving Level 5, both were working at Level 4a.

When they were interviewed, both pupils were able to answer questions about;

- safety and risk during science investigations;
- fair testing and repeat testing;
- anomalies in results;
- making investigations better;
- drawing conclusions from their results in recent investigations..

Strengths:

Good range of ideas for experiments which are generated by the pupils.

Good range Sc 2,3 and 4 and a variety of activities.

Good observations and evidence to show that children can source and draw equipment.

Children can carry out fair tests and investigations.

Activities where evidence was given show that children can draw conclusions when given the opportunity.

Lots of interesting science being done.

It was evident that the children enjoy science and good range of engaging topics fired up their interest in the subject.

Areas for development:

More reliance on a long term plan to show progression and ensure a wide range of coverage over Sc 2,3 and 4 throughout the school.

More evidence of measurements and units in Science. This could be done through maths work.

More examples of data handling showing conclusions and evaluations.

More reflection on results and changing ideas eg. next steps for improvement.

Some experiments need conclusions so the modelling of evaluations and the use of completed data sets would improve these skills.

Vary the type of recording and data handling and make sure that it is fit for purpose.

Signed (Moderator) –

Date –

Signed – (HT)

Date -