**St Anne’s Principles of Science Teaching**

We know that good Science is taking place in our school when:

1. Children are actively involved in the lessons: they take ownership of the lesson and have opportunities to direct the learning in the way they choose
2. Children are engaged and enthusiastic during and when anticipating Science lessons
3. Science is investigative and ‘hands on’
4. Teachers expectations are high irrespective of ability or background
5. Children have the opportunity to observe changes over time, in and outside of the classroom
6. Children are discussing with each other and asking questions
7. Teachers are enthusiastic with what is being taught and are confident with their subject knowledge
8. Science is linked to the real world and where possible real life examples are used to explain concepts over textbooks
9. Progression of knowledge and skills is evident within a year group and across the school
10. Children have access to high quality resources
11. Science lessons take place outside, in the school grounds and in the local area
12. Visits, workshops and visitors (organised by the class teacher and subject co-ordinator) add to the whole learning experience
13. Effective cross curricular links are made and maintained

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| **Principle** | **Where to find evidence** |
| 1 | Lesson observations/drop in/pupil voice/ambassador meetings/lesson plans/floorbooks |
| 2 | Lesson observations/drop in/pupil voice |
| 3 | Lesson observations/drop in/floorbooks/ambassador files/photographs/planning |
| 4 | Planning (differentiation) |
| 5 | Planning/floorbooks |
| 6 | Lesson observations/drop in |
| 7 | Staff audits/CPD logs/impact of training questionnaires /lesson observations/drop in |
| 8 | Photographs/clubs/fieldwork |
| 9 | Planning/assessments/school floorbooks |
| 10 | Stock audit/teacher and pupil questionnaires |
| 11 | Photographs/planning/pupil voice/floorbooks/ambassador files/risk assessments |
| 12 | Calendar/ photographs/displays/ risk assessments |
| 13 | Planning/LTPs/other curriculum books |



* These principles were discussed and emended during a staff meeting on 16th October 2019
* It was agreed that the principles will be reviewed annually
* The principles will form part of the Science policy and lesson observation/drop in criteria.
* The activity will be completed again with science ambassadors to create a pupil version and compare priorities.