Science Assessment at St. George’s

The OFSTED Research Review Series: Science 2021 found that the just 21.2% of pupils achieved ARE in Science through biennial national sample tests (compared to teacher assessment of 80% ARE). We therefore feel that in our school a more robust assessment and tracking system is needed to ensure children hare meeting ARE in Year 6. During a staff meeting on 2nd November 2021, it was agreed that we would use the following resources to track children’s progress:

* Giggle Box questions (PDrive/Staff/
* Quizes –Plickers https://www.plickers.com/library
* Concept Cartoons (PDrive/ Staff/ Science)
* Explorify https://explorify.wellcome.ac.uk/en/activities
* KWL
* Knowledge Organisers
* Graphic Organisers
* Nuffield Science https://www.stem.org.uk/resources/collection/3059/nuffield-primary-science
* Oak Academy https://classroom.thenational.academy/subjects-by-key-stage/key-stage-1/subjects/science
* Twinkl end of unit assessment questions
* Vocabulary games
* PLAN assessment example - https://www.planassessment.com/copy-of-plan-knowledge-matrices-tea

As a staff, we decided against using formal assessments to assess the children’s knowledge, but a mixture of using the above quizzes, games and activities would help us assess the children’s knowledge and understanding throughout the year.

Teachers will also use PLAN <https://www.planassessment.com/copy-of-plan-knowledge-matrices-tea> to help them assess children’s learning. These are available on the PDrive/ staff/science

**Misconceptions**

Teachers are aware of tackling misconceptions in Science and will use St George’s planning grids (available on PDrive) and the PLAN Knowledge Matrices to adapt planning.(PDrive, Staff, Science)

**Working Scientifically**

Teachers will use TAPs assessments to assess Working Scientifically Skills. Teachers will use a class list to identify which children are at ARE.

**End of Year Grade**

At the end of the year, teachers will determine whether each child has met Age Related Expectation in Science using the above resources. **This grade will be shown on the children’s end of year report**