SJSB Subject on a Page: Science

Subject Assessment Headlines:

Science is assessed in a check in/check out method at the start and end of each unit.

Developing Experts guizzes (Rocket Words, Assessment Quizzes, Wordsearch) are used at the end of each lesson to assess their learning and identify misconceptions.

This, along with teacher assessment, provides the children with a level at the end of the year.

Each skill is assessed through teacher assessment and this information is entered into Integris termly.

Subject Strengths

- Children find Science interesting and engaging.
- Good quality of resources to allow for investigations and experiments to take place regularly.
- Curriculum is covered in depth through a variety of different experiences across the years.
- Termly collaboration planning ensuring consistency and objectives are met.

Areas of development

- Covid-19 Pandemic will have had a significant impact on children's learning.
- Promotion of sticky vocab in each lesson this is to be included on Learning Challenge stickers and assessed in Rocket Word quiz on Developing Experts.
- To continue to adapt the level of challenge in Science so it is accessible to all levels. Give more abled children challenges and scaffolding work/ways of recording work for SEN children.
- To continue to develop the role of the newly appointed subject leader, so that Science is rigorously monitored and evaluated in order to secure improvement.
- Ensure children can make cross curricular links with Science.

6. Governor Link

Dr Chris Babbs

5. Parent Links

Parents will be able to see what children have been learning on Seesaw.

They can read the policy on the school website.

Parents will be regularly updated on their child's progress at parent's evenings.

Lessons, activities and trips are tweeted for parents to react to.

4. CPD/ staff meetings

Staff meetings will be scheduled into the academic year to provide CPD to teachers.

Subject leaders to sign up to courses to develop subject knowledge and skills.

Ensure staff are aware of where they can access engaging resources and CPD (Reach Out, etc)

7. Raising profile of subject:

- Mad Science assemblies and Science Club held in Autumn term.
- British Science Week hold a Science Fair to showcase learning with parents, families and Governors.
- Great Science Share Themed activities and lessons are brought to teachers and educators, to inspire children to ask, investigate and share scientific questions they're curious about.
 - Use Twitter to share Science learning. #sjsbscience

1. Monitoring

- Planning is uploaded to a shared area for review.
- Ensure planning matches Long Term Plan and matches the work in books.
- Monitor level of challenge for more able and scaffolding is appropriate for SEN children.
- Book Looks to monitor consistency across Year groups
 check for use of sticky vocab in each lesson.
 - Learning Walks to observe quality teaching and learning is taking place.
- Monitor Developing Experts to ensure each class is utilising it deepen learning.

Science Next Steps

3. Assessment

Children are assessed at the beginning and the end of a unit, in a check in, check out way.

Children are assessed in every lesson through teacher assessment (live marking) so feedback can be given in the moment. Developing Experts is used in every lesson to address any misconceptions.

Termly assessment scores are uploaded onto Integris.

2. Curriculum & Book Monitoring

- Ensure that high expectations are consistent across Key Stages.
- Ensure that staff are familiar with online resources and how to use them.
- Ensure prior learning has been visited at the start of lessons to allow children to make links in their learning.
- Flashbacks to previous lesson is evident on planning.
- Misconceptions are addressed quickly through the use of hot spots.
- Children are responding to Big Questions and highquality next steps in green pen.