

## Science Summary Report 2016-2017

### Leadership and management

#### *Develop new scheme and assessment:*

- Scheme of work (new curriculum) firmly embedded
- Positive response to scheme of work
- Developed new system for assessment – MiniSATs papers and use of progression documents to ensure units taught at appropriate level.
- Science week – to promote investigative science lessons
- Production of progression documents

#### *Moderation:*

- Book/folder monitoring conducted once a term
- Written/personal feedback offered to all teachers with clear positives and areas to be developed
- Targets reviewed in subsequent book/folder look

#### *Links with other schools/outside agencies:*

Effective links enable us to share good practice, increase subject profile, resource and impact on progress.

- John Henry Newman – CPD course for science lead and NQT based on promotion of investigative science lessons. Also links made with JHN to utilise resources and support investigative lessons taught within SJB.
- Science Week 2016 – in collaboration with the education group with the provision of forensic science workshops and the Healthy School Bus with the provision of workshops for each class focused on how to stay healthy



- Mary Le Breuille (creator of 'Engaging Science' scheme) collaboration to produce progression documents for the different areas of science

#### ***Progress Review:***

- JK reviewed pupil progress grids, in consort with class teachers.
- JK reviewed the coverage of taught units and highlighted the need for progression across year groups
- JK report to governors focused on teaching and assessment of science scheme and development of science subject leader role

#### ***Resourcing:***

- Annual audit of resources
- Staff survey of needs in relation to taught units
- Order for next academic year
- Science cupboard – cleared and resources clearly listed (Summer 2016)

#### **Quality of Teaching**

- JK supported new staff members (LC) – making expectations clear
- Provision of opportunities for teachers to share best practice through coaching observations and CPD courses.

#### ***Staff INSET/CPD:***

- John Henry Newman – CPD course to promote the delivery of investigative science lessons
- Internal and external moderation events – to discuss and share best practice and work samples with other schools – MiniSATs were a very positive feedback for SJB from majority of moderations attended

#### **Curriculum Events/Highlights**

- Science Week 2016 – forensic science workshops



- **Charity balloon race – raising money for Greenpeace**



- **Space centre class trip**
- **'Life in the Womb' Year 6 assembly**

- **Life Education Bus**



- **Kidzania London Trip**
- **Sparks Fire Safety visitor Year 2**
- **CO2 workshop Year 2**



***Pupil Voice:***

**Pupil interviews conducted after Science Week 2016 show that pupils enjoy the investigative aspects of science lessons:**

**Some inspiring words below from the children after Science week 2016:**

**Lennon Y4**

**"I find science lessons really fun. I have been learning about gravity and sound."**

**Billy Y1**

**"I like doing fair tests. I like guessing and seeing what will happen and I really liked making clouds in our classroom!"**

**Kian Y5**

**"Science is pretty fun and gross at the same time! This year I've learnt some new words - gestation and adolescence."**

**Christian Y3**

**On his visit to the NEC 'Big Bang' event "I saw new and different things and it was really cool"**

**Jonathon Y6**

**"Science week was fun. Air resistance pulls gravity down."**

**Overview:**

- **Children engaged and enjoying their learning in science**
- **Pupils and staff are more aware of their strengths/areas for development in the delivery of science**
- **Science curriculum is providing children and staff with more opportunities for creative, investigative learning**
- **Improved attitudes to science learning from both staff and pupils**
- **Strong scheme and assessment tool in place – ensures staff are clear and confident with expected learning outcomes**

**Next steps**

- **To organise and plan a range of enriching experiences for all year groups to ensure a rich and bespoke Science curriculum for St John's**
- **Organise Science Week 2018**
- **Monitoring of scheme coverage – reviewed half-termly: work samples, folder/book looks, lesson observations, learning walks and discussions with staff and pupils**
- **Ensure progression documents are fully utilised to ensure lesson outcomes are delivered at the correct pitch**
- **Ensure that teachers fully understand the assessment procedure for science and collect required evidence**
- **Continuation of internal/external science moderations**

- **Use/monitoring of assessment tools/data to highlight any pupil/groups that are not making expected progress. Followed by support/interventions – report to SLT and Governors**
- **Review/audit resources**
- **Make best use of external links/partnerships**

**Jemma Kelly**

**September 2017**