

Science Planning & Assessment Road Map

Yearly Outlook

Year 8:

Autumn Term (Sept - Dec)

Biology: Photosynthesis & Respiration

Chemistry: Atoms & Elements

Spring Term (Jan - May)

Biology: Human Body

Physics: Waves - Light & Sound

Summer Term (May - July)

Biology: Reproduction & Growth

Biology: Ecology



Throughout the year pupils will carry out projects on:

- Electricity & Magnetism
- Geology
- Energy Transfer

Pupils to have the following in their science books

- Principles of Science Sticker with Expectations
- Mini pupil road map for the year
- Presentation Sticker
- Assessment Tracking Grid
- Learning Objectives for lessons or sequence of lessons
- End of topic summary self-assessments.
- Signs of variety when it comes to assessing: Teacher / Peer / Self.

Assessment: Each unit above should be followed by an end of unit test.

Pupils then receive a raw score + % which they should put into their tracking grids.

Opportunities for pupils to practice their "Working Scientifically" skills should be present throughout the year.

They should be an alternative way for pupils to be assessed in science other than end of topic testing. This could be in the form of a practical investigation, a big write, a levelled piece of homework. Pupils can also be given criteria to help peer assess their work. Pupils should be clear that this piece of work will be going towards their overall termly level / progress outcome.



Our KS3 STEM club will give pupils more of the above opportunities