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| Department/ Subject: Science Key Stage: 3/4  Staff: LP |

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| **Intent** | **Implementation** | **Impact** |
| **KS3:**  Students will be taught all of the key scientific concepts as outlined by the National Strategy during KS3. Prior knowledge from KS2 will be built upon with skills and knowledge instilled throughout KS3 to prepare each pupil for KS4 curriculum.  There is a strong emphasis on practical skills and developing science thinking alongside knowledge. The aims of KS3 are to develop confident scientists who are adaptable and have a desire to acquire new knowledge and apply it to everyday life. .  **KS4:**  To enhance the knowledge already gained from KS3 and prepare pupils further by embedding knowledge and key skills, allowing them to be successful in terms of outcomes during KS4.  The AQA specification will be followed closely but continually related to a context where appropriate with pupils encouraged to apply their knowledge and form their own opinions and ideas. | **KS3:**  Each year groups has the following number of lessons per fortnight;  Year 7 - 8 x 50 min lessons  Year 8 - 8 x 50 min lessons  Year 9 - 9 x 50 min lessons  The KS3 curriculum is split into the following topics;  Year 7  Forces  Cells  Particles (Chemistry)  Reproduction  Substances  Space  Atoms, Elements and Compounds  Body Systems  Year 8  Energy  Materials  Ecosystems  Respiration  Periodic table  Waves  Earth and Atmosphere  Health  Motion  Year 9  Electricity and Magnetism  Genetics  How Science Works  Year 9’s begin their KS4 curriculum at the beginning of their Spring term.  Each topic is supported by medium and short term plans with a large variety of differentiated resources provided to allow all student to access tasks and make progress.  Formative assessment takes place regularly with pupils given comprehensive feedback via marking of work. Pupils are requested to improve their work with green pen as a key element of this process.  Summative assessment takes place at the end of every term with a test which analyses their knowledge across the topic taught during the term.  **KS4**  The majority of pupils at St Dunstan’s follow the AQA Combined Science Trilogy Specification, with a small number following the AQA separate Science pathway.  Each class will be taught topics across the range of science disciplines across each academic year. So that pupils can easily refer back to work using revision materials at any given time, the structure of the course is the same, in terms of topics, as those detailed in the specification.  Formative assessment takes place regularly with pupils given comprehensive feedback via marking of work. Pupils are requested to improve their work with green pen as a key element of this process.    Summative assessment takes place at the end of every topic with a test which analyses their knowledge and allows their progress to be determined. The information received from these tests are also used to inform pupils about areas of weakness and support to improve. | **KS3:**  Year 7  92% of students are making above or expected progress.  96% of Pupil Premium students are making above or expected progress.  91% of SEN students are making above or expected progress.  Year 8  78% of students are making above or expected progress.  84% of Pupil Premium students are making above or expected progress.  100% of SEN students are making above or expected progress.  Year 9  87% of students are making above or expected progress.  78% of Pupil Premium students are making above or expected progress.  78% of SEN students are making above or expected progress.  **KS4**  Attainment  7.1% of students obtained GCSE grades 9-7  36.5% of students obtained GCSE grades 9-5  60% of students obtained GCSE grades 9-4 |