**Science KS3 Curriculum map**

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|  | **Autumn term** | **Spring term** | **Summer term** |
| **Year 7**  **Activate** | **Topics**  Working scientifically  Cells  Particles and their behaviour  Forces | **Topics**  Structure and function of body systems  Elements, atoms and compounds  Sound | **Topics**  Reproduction  Reactions, acids and alkalis Light and space |
|  | **Skills**  Detect, Recall, Solve – How to apply Knowledge Students begin a process of decoding questions and learning how to apply their knowledge through modelling. | | |
| **Year 8**  **Activate** | **Topics**  Health and lifestyle  The Periodic Table  Electricity and magnetism | **Topics**  Biological processes  Separation techniques  Energy | **Topics**  Ecosystems, adaptations and inheritance  Motion and pressure  Metals and other materials  Electrical energy |
|  | Skills  Detect, Recall, Solve – How to apply knowledge and use it to analyse a variety of situations Students master the process of decoding questions and applying knowledge. They build confidence in analysing phenomena, making conclusions and forming arguments to support scientific claims. | | |
| **Year 9**  **AQA** | **Topics**  Cell structures  Atomic structure and the Periodic Table | **GCSE course**  Particle model of matter  Organisation | **GCSE course**  Bonding and structure |
|  | **Skills**  Detect, Recall, Solve – Students use skills previously learned to decode exam questions. This is modelled in class and through ‘walking talking mocks’. They will use Retrieval Questions to improve their recall of key word, key concepts and scientific principles to build a strong foundation for their GCSE science studies to build on. | | |