**Science KS3 Curriculum map**

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|  | **Autumn term** | **Spring term** | **Summer term** |
| **Year 7** **Activate** | **Topics**Working scientificallyCells Particles and their behaviourForces | **Topics** Structure and function of body systemsElements, atoms and compoundsSound  | **Topics** ReproductionReactions, 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 lifestyleThe Periodic TableElectricity and magnetism  | **Topics**Biological processesSeparation techniquesEnergy | **Topics**Ecosystems, adaptations and inheritance Motion and pressureMetals and other materialsElectrical 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 structuresAtomic 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. |