Long Term Plan Subject: Combined Science Year: 10

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| **Term** | **Topic (s)****5 PERIOD TEACHER** | **Topic (s)****4 PERIOD TEACHER** | **Additional details** |
| Term 1 a(7 weeks) | Photosynthesis(Biology) 8 lessonsElectricity (Physics) 15 lessons | Review unit content from year 9 for: Cells, atomic structure and Energy | Biology required practical: effects of light intensity on the rate of photosynthesisPhysics required practicals: Resistance in a wire and current, voltage graphs40 mark end of unit tests, including multiple choice question, short and extended answers |
| Term 1 b(8 weeks) | Moving and changing materials(Biology) 17 lessons | Structure, bonding and properties of matter(Chemistry) 17 lessons |
| Term 2 a( 5 weeks) | Particle model of matter (Physics) 6 lessonsHealth matters(Biology)17 lessons | Chemical quantities and calculation(Chemistry) 8 lessons | Chemistry required practical: preparing pure samplesPhysics required practical:Density of structures40 mark end of unit tests, including multiple choice question, short and extended answers |
| Term 2 b( 6 weeks) | Chemical changes(Chemistry) 14 lessons | Atomic structure(Physics) 7 lessons |
| Term 3 a(6 weeks) | Coordination and control (Biology) 15 lessonsForces(Physics) 16 lessons | Energy changes(Chemistry) 5 lessons | Biology required practical: investigating reaction timeChemistry required practicals: limiting reactants and how concentration affects the rate of reactionPhysics required practical: acceleration of an object and Hooke`s law40 mark end of unit tests, including multiple choice question, short and extended answers |
| Term 3 b(\_weeks) | Rate and extent of chemical change(Chemistry) 14 lessons | Genetics(Biology) 9 lessons |

Notes: