Long Term Plan Subject: Combined Science Year: 11

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| **Term** | **Topic (s)****5 PERIOD TEACHER** | **Topic (s)****4 PERIOD TEACHER** | **Additional details** |
| Term 1 a( 7 weeks) | Chemical changes(Chemistry) 13 lessonsParticle model of matter(Physics) 6 lessons | Health matters (Biology) 13 lessons | Required practicals for Chemistry units on:Preparing a dry soluble sample and investigating electrolysis40 mark end of unit tests, including multiple choice question, short and extended answers |
| Term 1 b( 8 weeks) | Energy changes(Chemistry) 6 lessons | Atomic structure (Physics) 7 lessons |
| Mock exams November |
| Term 2 a( 5 weeks) | The rate and extent of chemical change (chemistry) 13 lessonsCoordination and control(Biology) 15 lessons | Forces(Physics) 16 lessons | Required practicals for Chemistry units on: limiting reactants and how concentration affects a chemical reaction.Biology required practical on: investigating reaction time40 mark end of unit tests, including multiple choice question, short and extended answers |
| Term 2 b( 6 weeks) | Chemical analysis(Chemistry) 5 lessons | Hydrocarbons(Chemistry) 5 lessons |
| Mock exams February |
| Term 3 a( 6 weeks) | The atmosphere and sustainable development (Chemistry) 18 lessonsWaves(Physics) 13 lessons | Genetics, variation and evolution(Biology) 26 lessons | Required practicals for Biology: measuring population size of a habitatRequired practicals for Chemistry: analysis and purification of waterRequired practical`s for Physics: measuring wavelength and investigating the reflection of light40 mark end of unit tests, including multiple choice question, short and extended answers |
| Term 3 b(\_weeks) | Ecology in action(Biology) 15 lessons | Electromagnetism(Physics) 6 lessons |

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