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| **Week** | **Topic-Theory** | **Practical** | **Assessment**  Year Planner/2023-2024/ Chemistry/Year12 |
| 1 | 1.Atomic structure |  |  |
| 2 | The mass spectrometer | Flame test |  |
| 3 | Electronic configuration |  |  |
| 4 | Ionisation Energy | Test for Gas |  |
| 5 | 8.Periodicity |  |  |
| 6 | Trends in Properties | Titration |  |
| 7 | Trends Period 3 |  |  |
|  | October Half Term Holidays |  |  |
| 8 | 3.Bonding |  |  |
| 9 | Intermolecular Forces | Preparation |  |
| 10 | Shapes of molecules |  |  |
| 11 | 2. Amount of substance | RP1 |  |
| 12 | Moles, Ideal Gas Equation |  |  |
| 13 | Empirical Formulae | Yield Calculations | VIMA1 |
| 14 | Atom economy, %Yield |  |  |
| 15 | 9. periodicity GP2 | RP4 |  |
|  | December Term Holidays |  |  |
|  |  |  |  |
| 16 | 11.Org Chem1 |  |  |
| 17 | 12. Alkanes |  |  |
| 18 | 13. Halogenoalkanes |  |  |
| 19 | 14. Alkenes |  |  |
| 20 | 15. Alcohols | RP5 |  |
| 21 | 10. The halogens  Redox equations | TitrationKMnO4 |  |
|  | Feb Half Term Holidays |  |  |
| 22 | 4, Energetics &Hess’s law |  |  |
| 23 | Redox calculations | RP5 |  |
| 24 | Percentage Yield |  |  |
| 25 | Atom Economy |  |  |
| 26 | Kinetics | RP3 |  |
| 27 | Chemical Calculations |  |  |
| 28 |  |  |  |
|  | April Term Holidays |  |  |
|  |  |  |  |
| 29 |  |  |  |
| 30 | 6.Equilibria |  |  |
| 31 | Effect of Change |  |  |
| 32 | 16.Organic analysis |  |  |
| 33 | Test-tube, IR | RP6 |  |
|  | May Half Term Holidays |  |  |
| 34 | Revision |  |  |
| 35 | End of Year Examinations |  |  |
| 36 | End of Year Examinations |  |  |
| 37 | Y13 Topics |  |  |
| 38 |  |  |  |
| 39 |  |  |  |
| 40 |  |  |  |
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