



Summer

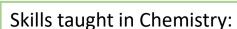
Term

Stowmarket High School

Year 11 Chemistry







1. Planning an investigation

Realising potential

- 2. Practical skills
- 3. Collecting and recording data
- 4. Presenting data drawings graphs and tables
- Interpreting data to make conclusions and evaluations

GCSE Exams!

Curriculum links to:

Biology 9 - Anaerobic respiration

Biology 13 - DNA structure

Biology 18 – Land pollution

Physics 3 – Energy resources

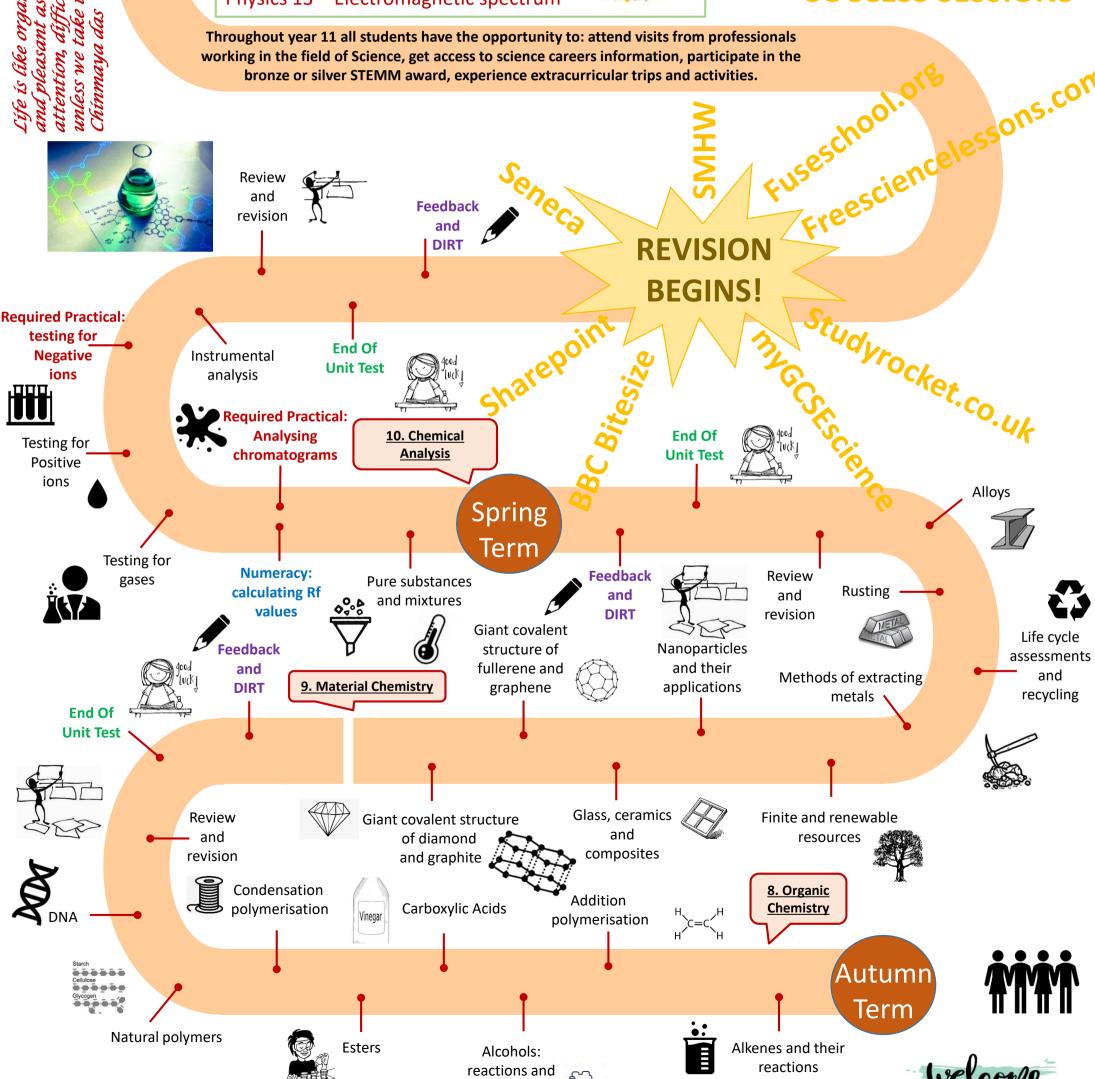
Physics 13 – Electromagnetic spectrum



education or

work

SUCCESS SESSIONS



uses



Stowmarket High School



Year 10 Chemistry Learning Journey

Skills taught in Chemistry:

- 1. Planning an investigation
- 2. **Practical skills**
- 3. Collecting and recording
- 4. Presenting data drawings graphs and tables
- 5. Interpreting data to make conclusions and evaluations



Changes at the

electrodes

Year 11

Curriculum links to: Biology 3 – Catalysts and enzymes Biology 5 – Communicable diseases Biology 8 – Photosynthesis Biology 18 and Physics 13 – Global warming

hemistry alone almost proves the Physics 1 – Energy transfer Throughout year 10 all students have the opportunity to: attend visits from professionals working in the field of Science, get access to science careers information, participate in the bronze STEMM award, experience extracurricular trips and activities. **Feedback** and **DIRT** Combustion of Fractional Atmospheric alkanes distillation pollutants **End Of Unit Test** Summer Term Required Greenhouse gases Cracking **Hydrocarbons** Review **Practical:** and climate change ' and purifying revision drinking water Review **Feedback** Simple molecular and and The Haber structure revision 7. Earth Chemistry **DIRT** process Reversible reactions and energy Earth's atmosphere **Numeracy: End Of** Catalysts Covalent bonding Dynamic equilibrium Percentage yield **Unit Test** and atom economy The effect of Rate of 6. Rates The effect of temperature on reaction and **End Of** <u>and</u> surface area on rate of reaction collision theory **Equilibria** rate of reaction Spring Review and Term revision 1 Mole **Feedback Required Practical: Numeracy:** and concentration and rate calculations involving **DIRT** Fuel cells of reaction gases **Required Practical:** Exothermic and **Required Practical:** Chemical cells electrolysis of Endothermic Electrolysis of investigating energy and batteries aqueous solutions reactions Molten compounds changes Autumn Term Uses of electrolysis

Numeracy:

bond energy

calculations

Using energy

transfers

5. Energy

<u>and</u>

Reactions



Electronic structure

Models of the

atom

Chemical equations

Stowmarket High School

Year 9 Chemistry

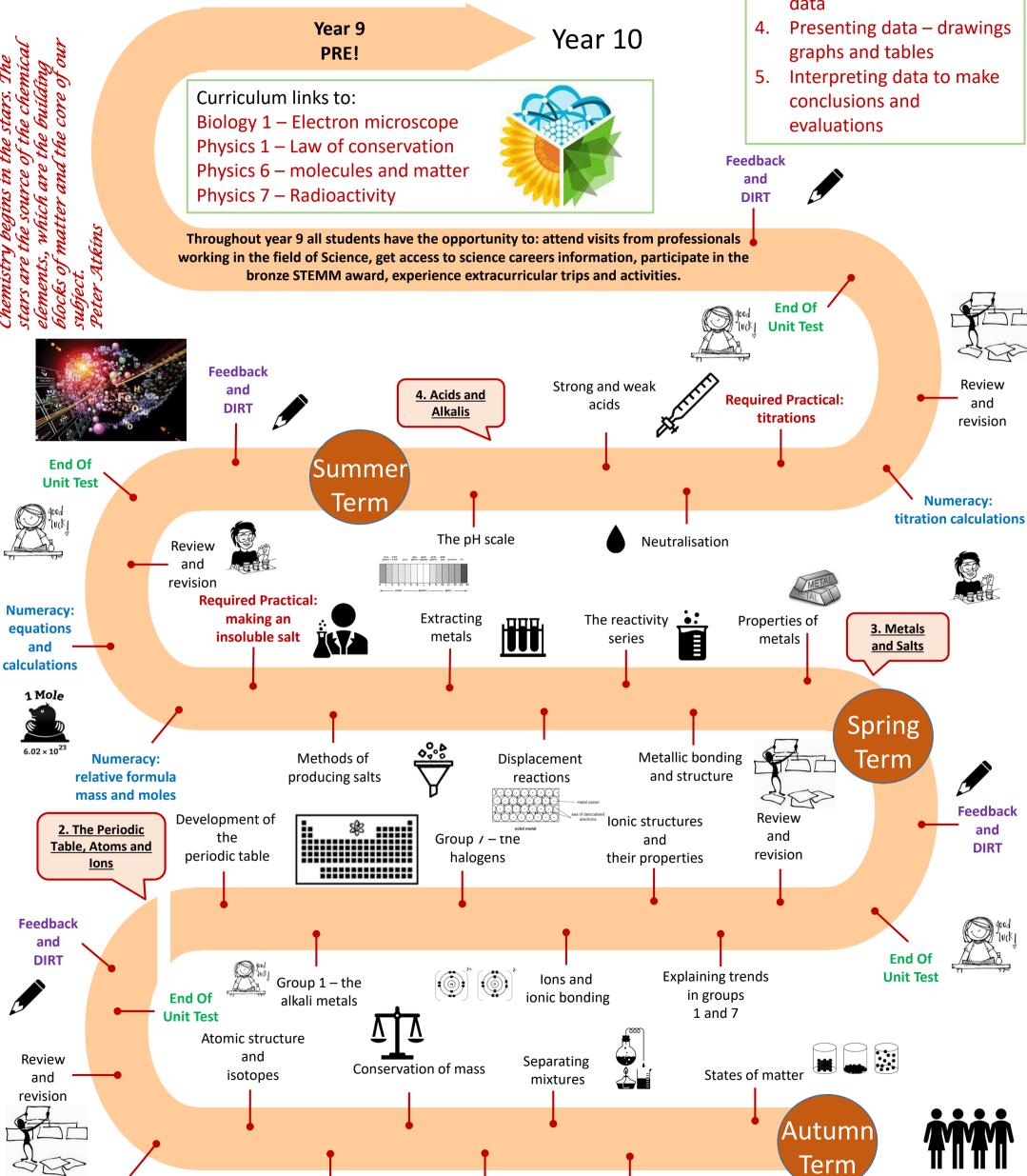




Learning Journey

Skills taught in Chemistry:

- Planning an investigation 1.
- 2. **Practical skills**
- 3. Collecting and recording



Atoms, elements

And compounds

1. Atoms,

Elements and Compounds