# Curriculum and Assessment Map 2019-2020

## Year 13

### Subject Leader:
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### Key Learning Constructs to be developed over the academic year
- Acquiring knowledge and understanding of year 2 physical chemistry, inorganic chemistry and organic chemistry topics

### Scheme of Learning

<table>
<thead>
<tr>
<th>Autumn Term</th>
<th>Spring Term</th>
<th>Summer Term</th>
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| Teacher 1 3.1.12 Acids and bases 3.1.11 Electrode potentials and electrochemical cells | Teacher 1 3.1.8 Thermodynamics  
Teacher 2 3.2.5 Transition metals | Teacher 1 Some of 3.2.5 and/or 3.2.6 such as catalysis and VOS with redox titrations  
Teacher 2 3.2.6 Reactions of ions in aqueous solution |
| Teacher 2 3.3.11 Amines 3.3.12 Polymers 3.3.13 Amino acids, proteins and DNA 3.3.14 Organic synthesis 3.3.16 Chromatography 3.3.15 NMR |           |           |

### Assessment Pieces
- 2nd year content covered in year 12  
- Acids and bases  
- Acids and bases  
- After October half term organic chemistry test  
- Paper 1 and 2 mock exams  
- Paper 3 mock exam

### Key vocabulary
Outside the taught curriculum
- Students can watch videos on the Khan Academy to further their understanding and find out explanations that are often more detailed than those covered in the taught curriculum.

### Suggested reading
- Chemguide- this website often breaks topics down very well and sometimes explains concepts in a greater depth than the taught curriculum.  
- A Level Chemistry textbook  
- A Level Chemistry Calculations by Jim Clark