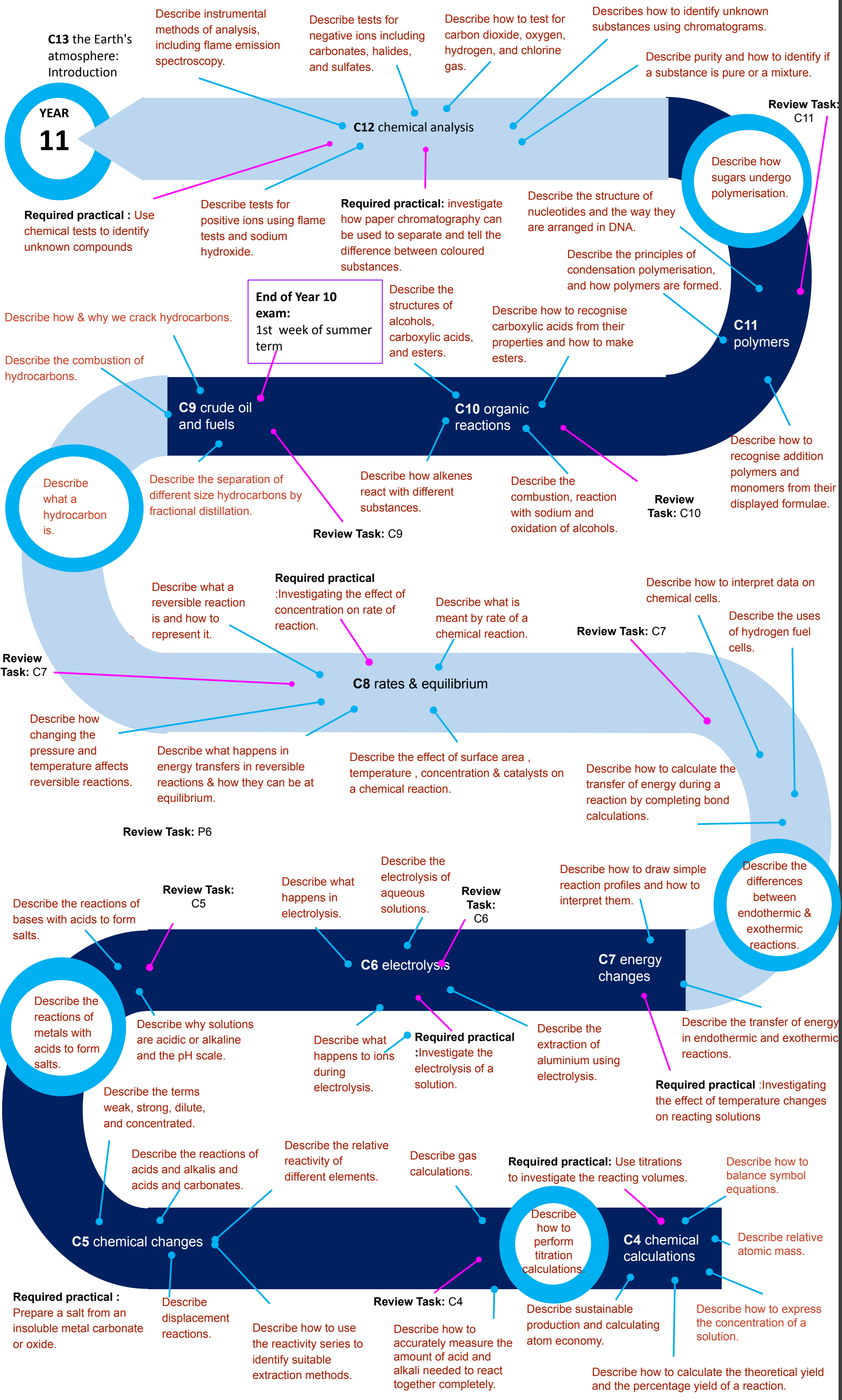




# Chemistry AT PLECKGATE

## YEAR 10 LEARNING JOURNEY





# Chemistry AT PLECKGATE YEAR 11 LEARNING JOURNEY



**FINAL  
GCSE  
EXAM**

**REVIEW** and revision of all topics

**Mock  
Exams 2**

**Mock Exam Week:**  
1st week of HT  
(Paper 2 exam)

Describe why metals are alloyed and some common examples.

Describe the properties of glass, clay, ceramics, polymers, composites and metals.

Describe how ammonia can be used to make fertilisers.

**Review Task: C15**

**C15 using our resources**

Describe the conditions needed for rusting.

Describe the properties of polymers.

Describe how ammonia is made during the Haber process.

Describe how the conditions of the Haber process are related to different factors.

Describe how fertilisers are made on an industrial scale.

Describe how to decrease environmental impact by reducing, reusing, and recycling

Describe how to extract metals using biological methods.

Describe distillation and how potable water is made.

Describe how to distinguish between finite and renewable resources.

**Review Task: C14**

**C14 the Earth's resources**

Describe how to carry out Life Cycle Assessments.

Describe how waste water is treated to make it safe to release into the environment.

**Required practical:** analyse the purification of water samples from different sources.

Describe changes in the atmosphere over time.

Describe how actions can limit the greenhouse effect and the emissions of carbon dioxide and methane.

**Mock Exam Weeks:**  
5th & 6th week of HT 2  
(Paper 1 exam)

**Mock Exams 1**

**C13 the Earth's atmosphere**

Describe the greenhouse effect.

Describe a theory of how our atmosphere developed.

Describe pollution from fuels.

**Review Task: C13**

**Required practical:** investigate how paper chromatography can be used to separate and tell the difference between coloured substances.

Describes how to identify unknown substances using chromatograms.

**C12 chemical analysis**

Describe purity and how to identify if a substance is pure or a mixture

**REVIEW & CATCH UP**

C10 Catch up

C11 Catch up

**Review Task: C12**

**Required practical :** Use chemical tests to identify unknown compounds  
flame emission spectroscopy.

Describe how to test for carbon dioxide, oxygen, hydrogen, and chlorine gas.