Subject	Year	Term
Science	9	1

Topic

C8 Chemical analysis

Content (Intent)

Prior Learning (Topic) KS2 national curriculum **Y5** properties and changes of materials**,** KS3 Y**7** 7C1 Separating mixtures, **Y8** 8C2 gas tests

- Mixtures and formulations
- Pure substances
- Chromatography
- Identification of common gases

Future Learning (Topic), **Y10** Bonding, structure and properties of matter, **Y11** C4 Chemical changes, **Y13** 6.3.1 Chromatography and chemical analysis

How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)
Practical work: • Measuring the melting point of two unknown solids. • Basic chromatography practical (with pen ink) • REQUIRED PRAC 12. Separating pigment in chlorophyll • Gas tests Written Notes in book.	- 2 x standard homeworks (Level given. Written feedback. Response expected.) -1 x combined end of topic test with C8 (Level given. Verbal feedback to class and individuals.)

How can parents help at home?

Look at the topic specific resources on the VLE
Use appropriate youtube channels: cognito, primrosekitten, khan academy, freesciencelessons.
Take an interest! Ask your children what they have learnt and be curious about their learning.

Helpful further reading/discussion

Reading	Vocabulary Lists	Careers Links
	Formulation Mixture Stationary/mobile phase Chromatography solvent	Environmental scientist Medical testing Forensic scientist.