

Year 7 Science

Learning Programme 5

Reading texts that pupils will study during the learning programme

Logic for LP5 is communication

The value we are learning about is **compassion**

Compassion - Sympathy and concern for the suffering or misfortunes of other

What will I be learning about in this Learning Programme?

Students will learn about elements, compounds and mixtures and their properties. Students will study the difference between different separating techniques and investigate their uses. Students will also learn about chemical and physical changes during chemical reactions, including what catalysts are

Where have I seen this learning before?

Students have studied particles and states of matter during LP1.

What could I use it for?

This LP content will be studied again within GCSE Chemistry, when looking at atomic structure and separating techniques.

Wk1: Elements, Wk3: Mixtures, Wk5: Distillation.

In LP5.1, I will know:	20/05/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to state what an atom and element is; how to represent atoms using particle diagrams.			atom, element, particle	Knowledge organiser tasks
In LP5.2, I will know:	03/06/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to state what a compound is; how to explain observations about reacting elements to form a compound; how to identify a pure substance from a mixture.			compound, observation, substance	Knowledge organiser tasks
In LP5.3, I will know:	10/06/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to investigate whether samples of stearic acid are pure; why it is possible to separate mixtures. Extended Task			acid, compound, mixture	Knowledge organiser tasks
In LP5.4, I will know:	17/06/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to filter substances using apparatus; what evaporation and distillation are; how to use evaporation to separate salt from seawater.			evaporation, distillation, separate	Knowledge organiser tasks
In LP5.5, I will know:	24/06/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to explain observations about distillation to obtain pure water; how chromatography separates substances.			evaporation, distillation, separate	Knowledge organiser tasks
In LP5.6, I will know:	01/07/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to investigate chromatograms and explain how they can be used to separate inks; what a catalyst is; how to investigate examples of catalytic reactions. Extended Task			chromatography, separate, chemical, physical	Knowledge organiser tasks
In LP5.7, I will know:	08/07/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
what a chemical change is; what a physical change is; how to investigate chemical and physical changes.			reactions, reactants, products	Knowledge organiser tasks
In LP5.8, I will know:	15/07/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
experience week.				Knowledge organiser tasks
Resources to support learning: Kerboodle, Knowledge Organiser.				
FFET Award Challenge for this Learning Programme: Attend an extra-curricular club, represent the academy at an event, attend an enrichment day, receive a subject praise postcard, attend a day trip, attend a head of year breakfast or afternoon tea, achieve 100 positive points on class charts, receive a letter of commendation from SLT, be invited to a wonderful Wednesday, receive a principals letter or be invited to a principals lunch, attend a residential trip, achieve the Duke of Edinburgh bronze award.				

PRT Task 1

PRT Task 2