

Quantitative Chemistry

Students will discover how mass can be conserved in a chemical reaction and describe how to measure amounts of substances in chemistry, Students will complete complex multistep calculations involving re-arranging formula to find the mass of reactants or products in a chemical reaction.

Home Learning:

Look-cover-write-check one knowledge organiser page every week. Ensure the content on the knowledge organiser is learnt in preparation for a quiz given by your classroom teacher.

Key Questions: (A list of key questions)

Quantitative Chemistry

- How is mass conserved in a chemical reaction?
- What happens to mass if gas is given off?
- How can we measure amounts of substances?
- How can we calculate concentrations of solutions?
- How certain are we about our results?

Diagnosis

& Smith Proforma

- Recall Quiz from knowledge organisers
- Short Diagnosis Test
- Feedback from teachers marking

Therapy

- DIRT lesson – Respond to teachers marking.
- Pixl 'Know It' slides and questions.

Students will: (Success Criteria)

Quantitative Chemistry

- Be able to describe how mass changes in a chemical reaction
- Be able to measure amounts in chemical reactions.
- Be able to calculate concentrations of solutions.
- Be able to describe find the mean, range and calculate uncertainty.

Testing

- Final end of topic test after each topic