

# ACTIVITY 4.1

This is one of the outline course planners in the Teacher's Guide.

## First year, first term

- 1a – States of matter
- 1b – Atoms
- 1c – Atomic structure
- 1f – Ionic compounds
- 1g – Covalent compounds
- 4a – Acids, alkalis and salts
- 1e – Chemical formulae and chemical equations (1.20 to 1.21)
- 2d – Oxygen and oxides
- 2e – Hydrogen and water.

## First year, second term

- 2a – The Periodic Table
- 2b – The Group 1 elements
- 4d – Equilibria
- 5d – The industrial manufacture of chemicals
- 1d – Relative formula masses and molar volumes of gases
- 1e – Chemical formulae and chemical equations (1.22 to 1.26).

## First year, third term

- 1h – Metallic crystals
- 2f – Reactivity series
- 5a – Extraction and uses of metals (5.1 to 5.2)
- 2g – Tests for ions and gases.

## Second year, first term

- 4c – Rates of reaction
- 2c – The Group 7 elements
- 4b – Energetics
- 5b – Crude oil
- 3a – Organic introduction
- 3b – Alkanes.

## Second year, second term

- 3c – Alkenes
- 5c – Synthetic polymers
- 3d – Ethanol
- 1i – Electrolysis
- 5a – Extraction and uses of metals (5.3 to 5.5).

Consider how what you do compares with this.

- Is it suitable?
- Is there any topic out of place?
- Do you have time to cover everything?
- How much time is spent on internal tests and examinations?
- Can you use Second year, third term for revision, or do you need it for teaching?
- Guided learning hours recommended for 4CH0 are 120-140 hours - how much time do you actually get?
- How much time do you spend on practical work?
- Which of the skills on Activity 3 Sheet 2 do you consider are important or possible to do in your school?
- Which practicals suggested for Principles of Chemistry do you do with your students?
- How do you apportion time between individual practical work, teacher demonstration, videos and simulations, etc?