

A starting allocation over 56 teaching weeks, weighted by each topic's syllabus statements and share of past-paper marks — adjust to your own calendar. The last column lists the Library material that already covers the topic. 这是按各主题的大纲条目数与真题分值占比分配的起始教学计划, 可按实际校历调整; 最后一栏列出资料库中已有的配套材料。

Weeks	Topic	Subtopics	Library material
1–2	1. Atomic structure 原子结构	1.1, 1.2, 1.3, 1.4	Handout · 6 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 4 past-paper sheets · Unit test
3–4	2. Atoms, molecules and stoichiometry 原子、分子与化学计量	2.1, 2.2, 2.3, 2.4	Handout · 6 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 3 past-paper sheets · Unit test
5–6	3. Chemical bonding 化学键	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7	Handout · 9 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 7 exercise sheets · 3 past-paper sheets · Unit test
7	4. States of matter 物质的状态	4.1, 4.2	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 1 past-paper sheet · Unit test
8	5. Chemical energetics 化学能量学	5.1, 5.2	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 2 exercise sheets · 2 past-paper sheets · Unit test
9	6. Electrochemistry 电化学	6.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 1 exercise sheet · 1 past-paper sheet · Unit test
10–11	7. Equilibria 平衡	7.1, 7.2	Handout · 7 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 2 exercise sheets · 2 past-paper sheets · Unit test
12	8. Reaction kinetics 反应动力学	8.1, 8.2, 8.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 3 exercise sheets · 3 past-paper sheets · Unit test
13–14	9. The Periodic Table: chemical periodicity 元素周期表: 化学周期性	9.1, 9.2, 9.3	Handout · 4 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 3 exercise sheets · 3 past-paper sheets · Unit test
15	10. Group 2 第 2 族	10.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 1 exercise sheet · 1 past-paper sheet · Unit test

Weeks	Topic	Subtopics	Library material
16–17	11. Group 17 第 17 族	11.1, 11.2, 11.3, 11.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 4 past-paper sheets · Unit test
18	12. Nitrogen and sulfur 氮与硫	12.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet · Unit test
19–20	13. An introduction to AS Level organic chemistry AS Level 有机化学导论	13.1, 13.2, 13.3, 13.4	Handout · 6 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 4 past-paper sheets · Unit test
21–22	14. Hydrocarbons 烃	14.1, 14.2	Handout · 4 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 2 exercise sheets · 2 past-paper sheets · Unit test
23–24	15. Halogen compounds 卤素化合物	15.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 1 exercise sheet · 1 past-paper sheet · Unit test
25	16. Hydroxy compounds 羟基化合物	16.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 1 exercise sheet · 1 past-paper sheet · Unit test
26	17. Carbonyl compounds 羰基化合物	17.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 1 exercise sheet · 1 past-paper sheet · Unit test
27	18. Carboxylic acids and derivatives 羧酸及其衍生物	18.1, 18.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 2 exercise sheets · 2 past-paper sheets · Unit test
28	19. Nitrogen compounds 含氮化合物	19.1, 19.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · Unit test
29	20. Polymerisation 聚合	20.1	Handout · 1 Learn lesson · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet · Unit test
30	21. Organic synthesis 有机合成	21.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet
31	22. Analytical techniques 分析技术	22.1, 22.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test
32–33	23. Chemical energetics 化学能量学	23.1, 23.2, 23.3, 23.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 4 past-paper sheets · Unit test

Weeks	Topic	Subtopics	Library material
34–35	24. Electrochemistry 电化学	24.1, 24.2	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test
36–37	25. Equilibria 平衡	25.1, 25.2	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 1 past-paper sheet · Unit test
38–39	26. Reaction kinetics 反应动力学	26.1, 26.2	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test
40	27. Group 2 第 2 族	27.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet · Unit test
41–43	28. Chemistry of transition elements 过渡元素化学	28.1, 28.2, 28.3, 28.4, 28.5	Handout · 6 Learn lessons · Slide deck · Vocabulary list · 5 exercise sheets · 5 past-paper sheets · Unit test
44	29. An introduction to A Level organic chemistry A Level 有机化学导论	29.1, 29.2, 29.3, 29.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 4 past-paper sheets · Unit test
45–46	30. Hydrocarbons 烃	30.1	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet · Unit test
47	31. Halogen compounds 卤素化合物	31.1	Handout · 1 Learn lesson · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet
48	32. Hydroxy compounds 羟基化合物	32.1, 32.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 1 past-paper sheet · Unit test
49–50	33. Carboxylic acids and derivatives 羧酸及其衍生物	33.1, 33.2, 33.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test
51–52	34. Nitrogen compounds 含氮化合物	34.1, 34.2, 34.3, 34.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 4 past-paper sheets · Unit test
53	35. Polymerisation 聚合	35.1, 35.2, 35.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 1 past-paper sheet
54	36. Organic synthesis 有机合成	36.1	Handout · 1 Learn lesson · Slide deck · Vocabulary list · 1 exercise sheet · Unit test

Weeks	Topic	Subtopics	Library material
55–56	37. Analytical techniques 分析技术	37.1, 37.2, 37.3, 37.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 2 past-paper sheets · Unit test