

A-Level Physics

Scheme of Work

A starting allocation over 56 teaching weeks, weighted by the lessons the teaching plan gives each topic, and beyond the plan by each topic’s syllabus statements and past-paper marks on the same scale — adjust to your own calendar. The last column lists the Library material that already covers the topic. ();;

Weeks	Topic	Subtopics	Library material
1–2	1. Physical quantities and units	1.1, 1.2, 1.3, 1.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 4 past-paper sheets · Unit test
3–5	2. Kinematics	2.1	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 6 exercise sheets · 6 past-paper sheets · Unit test
6–8	3. Dynamics	3.1, 3.2, 3.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 5 exercise sheets · 5 past-paper sheets · Unit test
9–11	4. Forces, density and pressure	4.1, 4.2, 4.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 5 exercise sheets · 5 past-paper sheets · Unit test
12–13	5. Work, energy and power	5.1, 5.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 4 past-paper sheets · Unit test
14–15	6. Deformation of solids	6.1, 6.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 3 exercise sheets · 3 past-paper sheets · Unit test
16–18	7. Waves	7.1, 7.2, 7.3, 7.4, 7.5	Handout · 5 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 6 exercise sheets · 6 past-paper sheets · Unit test
19–20	8. Superposition	8.1, 8.2, 8.3, 8.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 4 past-paper sheets · Unit test
21–22	9. Electricity	9.1, 9.2, 9.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 4 exercise sheets · 4 past-paper sheets · Unit test
23–25	10. D.C. circuits	10.1, 10.2, 10.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 6 exercise sheets · 6 past-paper sheets · Unit test

Weeks	Topic	Subtopics	Library material
26–27	11. Particle physics	11.1, 11.2	Handout · 3 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 5 exercise sheets · 5 past-paper sheets · Unit test
28–29	12. Motion in a circle	12.1, 12.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test
30–31	13. Gravitational fields	13.1, 13.2, 13.3, 13.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 4 past-paper sheets · Unit test
32–33	14. Temperature	14.1, 14.2, 14.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test
34–35	15. Ideal gases	15.1, 15.2, 15.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 3 past-paper sheets · Unit test
36–37	16. Thermodynamics	16.1, 16.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test
38–39	17. Oscillations	17.1, 17.2, 17.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 3 past-paper sheets · Unit test
40–41	18. Electric fields	18.1, 18.2, 18.3, 18.4, 18.5	Handout · 5 Learn lessons · Slide deck · Vocabulary list · 5 exercise sheets · 5 past-paper sheets · Unit test
42–43	19. Capacitance	19.1, 19.2, 19.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test
44–46	20. Magnetic fields	20.1, 20.2, 20.3, 20.4, 20.5	Handout · 5 Learn lessons · Slide deck · Vocabulary list · 7 exercise sheets · 5 past-paper sheets · Unit test
47–48	21. Alternating currents	21.1, 21.2	Handout · 2 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test
49–50	22. Quantum physics	22.1, 22.2, 22.3, 22.4	Handout · 4 Learn lessons · Slide deck · Vocabulary list · 5 exercise sheets · 4 past-paper sheets · Unit test

Weeks	Topic	Subtopics	Library material
51–52	23. Nuclear physics	23.1, 23.2	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 2 past-paper sheets · Unit test
53–54	24. Medical physics	24.1, 24.2, 24.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 5 exercise sheets · 3 past-paper sheets · Unit test
55–56	25. Astronomy and cosmology	25.1, 25.2, 25.3	Handout · 3 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test