

SAT Physics review for use after AP Physics 1

Book codes

Jansen	Jansen, Robert and Young, Greg. <i>Barron's SAT Subject Test in Physics</i> . This document uses chapter and page numbers from 2013 edition.
CB	College Board. <i>The Official SAT Subject Test Study Guide Physics</i> .

Suggested strategy: In-person coverage of all the topics listed below and in-person review of practice test results would, together, require an **estimated 12.50 contact hours, not including homework hours**. A less expensive strategy would be to self-study as many chapters as possible and ask for mini-lectures/clarifications only for those topics and sample problems that cannot be figured out independently.

Content study

Est. contact hours	Approx. %age of test	Chapter	Topic and pages in Jansen
0.50	20%	10	Electric field Read p. 205-216 Do p. 217 # 3, 4, 6, 7, 8
0.50		11	Electric potential and capacitors Read p. 223-235 Do p. 236 # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
0.75		13(a)	Magnetism Read p. 259-268 Do p. 275 # 1, 2, 3, 4, 5, 6, 7, 8
0.50		13(b)	Magnetism: Electromagnetism Read p. 269-274 Do p. 278 # 9, 10
0.25	20%	15(a)	Waves: EM waves Read p. 300-302 Do: p. 311 # 1, 3, 8, 10
0.25		15(b)	Waves: Doppler effect Read p. 303-305 Do p. 312 # 4
1.50		16	Geometric optics Read p. 315-332 Do p. 333 # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
0.75		17	Physical optics Read p. 339-349 Do p. 350 # 1, 2, 3, 4, 5, 6, 7, 8, 9
0.75	8%	18	Thermal Properties Read p. 355-367 Do p. 368 # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
1.00		19	Thermodynamics Read p. 373-382 Do p. 383 # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
1.00	8%	20	Atomic and quantum phenomena Read p. 387-400 Do p. 401 # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
0.50		21	Nuclear reactions Read p. 407-419 Do p. 420 # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
0.50		22	Relativity Read p. 425-428 Do p. 429 # 1, 2, 3, 4

Practice tests

Jansen contains 3 (or 4 for a newer edition) practice tests (these might be unrealistically difficult), and CB contains 2 realistic practice tests (actual previously-administered tests).

Est. contact hours	Activity
2.25	Discuss 3 Jansen practice tests
1.50	Discuss 2 realistic (College Board) practice tests