

YEAR 11 Separate Sciences PHYSICS REVISION PLAN 2020

PART	PERCENTAGE	WHAT IS IT?	DATE
Paper 1 Topic 18: Energy Topic 19: Electricity Topic 20: Particle model of matter Topic 21: Atomic Structure	50%	EXAM /100 1 hr 45 mins Multiple choice, structured, closed short answer and open response.	Wednesday 20 th May PM
Paper 2 Topic 22: Forces Topic 23: Waves Topic 24: Magnetism & Electromagnetism Topic 25: Space Physics (triple only)	50%	EXAM /100 1 hr 45 mins Multiple choice, structured, closed short answer and open response.	Friday 12 th June AM

WAYS TO REVISE:

- Its all about retrieval practice....!
- Spend 30 minutes on each day revising the topics specified
- Question and answer flash cards
- Knowledge organisers and quizzing (look, cover check method)
- Practical lab book
- CGP Revision guides - reading and then testing yourself
- CGP revision flash cards
- Assessment questions and specification- <http://www.aqa.org.uk/subjects/science/gcse/biology-8461>
- GCSE Bitesize (AQA Separate sciences Biology)
- Your class notes, reading them, testing yourself
- Use the timetable for topics to revise
- Use your mock to analyse what you need to revise
- Seek help from science staff if you are struggling with a particular topic
- Identify your areas of weakness and focus on them
- Dedicate each week to specific topics
- Get a lined paper notepad to make notes in for each topic using Cornell technique.



Week beginning ↓	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
20/01/20	Topic 18 1	Topic 18 2	Topic 18 3	Topic 19 1	Topic 19 2	Topic 19 3	Topic 25 1
27/01/20	Topic 18 4	Topic 18 5**	Topic 18 6**	Topic 19 4**	Topic 19 5**	Topic 19 6	Topic 25 2
03/02/20	Topic 18 7	Topic 18 8	Topic 18 9	Topic 19 7	Topic 19 8	Topic 19 9	Topic 25 3
10/02/20	Topic 18 10	Topic 18 11	Topic 25 4	Topic 23 1	Topic 23 2**	Topic 23 3	Topic 23 4
17/02/20 <u>HALF TERM</u>	Topic 18 test & Review		Topic 18 & 19 practical review	Topic 19 test & Review		Topic 25 test & Review	
24/02/20	Topic 23 5	Topic 23 6	Topic 23 7	Topic 23 8	Topic 24 1	Topic 24 2	Topic 24 3
02/03/20	Topic 23 9	Topic 23 10**	Topic 23 11	Topic 23 12	Topic 24 4	Topic 24 5	Topic 24 6
09/03/20	Topic 24 7	Topic 20 1**	Topic 20 2	Topic 20 3	Topic 20 4	Topic 21 1	Topic 21 2
16/03/20	Topic 21 3	Topic 21 4	Topic 21 5	Topic 20 5	Topic 20 6	Topic 20 7	Topic 21 6
23/03/20	Topic 23 test & Review		Topic 21 7	Topic 21 8	Topic 21 9	Topic 24 test & Review	
30/03/20	Topic 22 1	Topic 22 2	Topic 22 3	Topic 22 4	Topic 21 test & Review		Topic 23 practical review
06/04/20 <u>EASTER</u>	Topic 22 5	Topic 22 6	Topic 20 test & Review	Topic 22 7	Topic 22 8	Topic 22 9	Topic 22 10**
13/04/20 <u>EASTER</u>	Complete specimen paper 1 and review						
20/04/20	Topic 22 11	Topic 22 12	Topic 22 13	Topic 22 14**	Topic 18 1-3		Topic 22 test and review
27/04/20	Topic 21 1-3		Topic 20 1-3		Topic 20 4-6		Topic 19 1

04/05/20	Topic 19 2&3	Topic 21 4-6	Topic 19 4-6	Topic 18 4-6
11/05/20	Topic 19 7-9	Topic 21 7-9	Topic 18 7&8	Topic 18 9-11
18/05/20	Specimen paper 1 re-sit & review	PAPER 1 EXAM	Topic 22 1-4	Topic 23 1-4
25/05/20 HALF TERM	Topic 24 1-4	Complete specimen paper 2 and review	Topic 25 1-4 (all)	
01/06/20	Topic 22 5-7	Topic 23 11&12	Topic 22 13&14	Topic 24
08/06/20	Topic 23	Topic 25	Specimen paper 2 re-sit & review	PAPER 2 EXAM
				CELEBRATE! 😊

PAPER ONE TOPICS:

Topic 18 Energy	✓	Topic 19 Electricity	✓	Topic 20 Particle Model of Matter	✓	Topic 21 Atomic Structure	✓
Energy transfers / conservation of energy	1	Electrical circuits & symbols (series & parallel circuits)	1	Density **	1	Inside the atom	1
Efficiency	2	Static electricity (triple only)	2	States of matter	2	Discovery of the nucleus	2
Kinetic energy & GPE	3	Current and charge	3	Changes of state	3	Radioactive decay	3
Elastic potential energy	4	Potential difference and resistance **	4	Internal energy	4	Radioactivity dangers	4
Energy transfer by conduction**	5	I-V characteristics **	5	Specific latent heat	5	Radioactivity uses	5
Specific heat capacity**	6	Alternating current	6	Gas pressure Vs. temperature	6	Half-life	6
Work done	7	Cables and plugs	7	Gas pressure Vs. volume (triple only)	7	Nuclear radiation in medicine (triple only)	7
Power	8	Electrical current and energy transfer	8			Nuclear fission (triple only)	8
Non-renewable resources	9	Efficiency of appliances	9			Nuclear fusion (triple only)	9
Renewable resources	10						
Infrared radiation (triple only)**	11						

**=required practical to revise

PAPER TWO TOPICS;

Topic 22 Forces	✓	Topic 23 Waves	✓	Topic 24 Magnetism & Electromagnetism	✓	Topic 25 Space Physics (triple only)	✓
Forces on force diagrams	1	Transverse & longitudinal waves	1	Magnetic fields	1	Formation of the solar system	1
Contact and non-contact forces	2	Properties of waves **	2	Magnetic effect of solenoid	2	Life of a star	2
Centre of mass	3	Reflection	3	Fleming's left hand rule	3	Planets, satellites and orbits	3
Scalar & vector quantities	4	Refraction	4	Motors	4	Expanding universe	4
Resolving forces & parallelogram of forces	5	Sound waves (triple only)	5	Generators (triple only)	5		
Moments (triple only)	6	Ultrasound (triple only)	6	Loudspeakers (triple only)	6		
Distance-time graphs	7	Seismic waves (triple only)	7	Transformers (triple only)	7		
Velocity-time graphs	8	Electromagnetic waves**	8				
SUVAT	9	Light –reflection	9				
Newton's laws **	10	Light- refraction (triple only)**	10				
Terminal velocity	11	Light- colour (triple only)	11				
Momentum	12	Lenses (triple only)	12				
Forces and safety	13						
Forces & elasticity **	14						

**=required practical to revise