



ASSESSMENT INFORMATION FOR STUDENTS – SUMMER 2021

SUBJECT: PHYSICS

YEAR GROUP: 11

Dates of your Physics assessments after Easter

	11A1 DSF	11A2 KAG	11A3 RFH	11B1 KAG	11B2 MAR	11B3 DSF
w/b 19/4/21 WkB	BTues1 Energy	Mon 3 Energy	Mon 3 Energy	Mon 2 Energy	Mon 2 Energy	Tues 4 Energy
w/b 19/4/21 WkB	BFri 5	Thurs 3	Wed 5	Tues 4	Tues 2	Fri 4
w/b 26/4/21 Wk A	ATues1 Electricity	Mon 3 Electricity	Mon 3 Electricity	Tues 4 Electricity	Mon 2 Electricity	Tues 4 Electricity
w/b 26/4/21 Wk A	AFri 5	Tues 3	Wed 5	Thurs 3	Tues 3	Fri 4
w/b 3/5/21 wk B	BTues1 Nuclear and Particles	Bank Hol	Bank Hol	Bank Hol	Bank Hol	Tues 4 Nuclear and Particles
w/b 3/5/21 wk B	BFri 5	Thurs 3 Nuclear and Particles	Wed 5 Nuclear and Particles	Tues 4 Nuclear and Particles	Tues 2 Nuclear and Particles	Fri 4
w/b 10/5/21 wk B	ATues1	Mon 3	Mon 3	Tues 4	Mon 2	Tues 4
w/b 10/5/21 wk B	AFri 5 Forces	Tues 3	Wed 5	Thurs 3	Tues 3	Fri 4 Forces
Wb 17/5/21 wk A	BTues1	Mon 3 Forces	Mon 3 Forces	Mon 2 Forces	Mon 2 Forces	Tues 4
Wb 17/5/21 wk A	BFri 5 Waves	Thurs 3	Wed 5	Tues 4	Tues 2	Fri 4 Waves
Wb 24/5/21 Wk B	ATues1	Mon 3 Waves	Mon 3 Waves	Tues 4 Waves	Mon 2 Waves	Tues 4
Wb 24/5/21 Wk B	AFri 5	Tues 3	Wed 5	Thurs 3	Tues 3	Fri 4



11A1

Test	Energy	Electricity	Nuclear and Particles	Forces	Waves
Date	Tuesday 20/4/21 Period 1	Tuesday 27/4/21 Period 1	Tuesday 4/5/21 Period 1	Friday 14/5/21 Period 5	Friday 21/5/21 Period 5

11A2

Test	Energy	Electricity	Nuclear and Particles	Forces	Waves
Date	Monday 19/4/21 Period 3	Monday 26/4/21 Period 3	Thursday 6/5/21 Period 3	Monday 17/5/21 Period 3	Monday 24/5/21 Period 3

11A3

Test	Energy	Electricity	Nuclear and Particles	Forces	Waves
Date	Monday 19/4/21 Period 3	Monday 26/4/21 Period 3	Wednesday 5/5/21 Period 5	Monday 17/5/21 Period 3	Monday 24/5/21 Period 3

11B1

Test	Energy	Electricity	Nuclear and Particles	Forces	Waves
Date	Monday 19/4/21 Period 2	Tuesday 27/4/21 Period 4	Tuesday 4/5/21 Period 4	Monday 17/5/21 Period 2	Tuesday 25/5/21

11B2

Test	Energy	Electricity	Nuclear and Particles	Forces	Waves
Date	Monday 19/4/21 Period 2	Monday 26/4/21 Period 2	Tuesday 4/5/21 Period 2	Monday 17/5/21 Period 2	Monday 24/5/21 Period 2

11B3

Test	Energy	Electricity	Nuclear and Particles	Forces	Waves
Date	Tuesday 20/4/21 Period 4	Tuesday 27/4/21 Period 4	Tuesday 4/5/21 Period 4	Friday 14/5/21 Period 4	Friday 21/5/21 Period 4



Y11 Physics Portfolio assessment programme.

Your portfolios in Physics will contain the mock exam that you did in December and 5 tests that you will sit after Easter. Here is the breakdown of content that will be assessed in each of the 5 tests after Easter.

<p>Test 1 Energy (Paper 1). First lesson back after Easter</p> <p>Includes: Unit prefixes, Thermal insulation required practical including method, density calculations, energy and power calculations, generating electricity and meeting energy demand, conservation of energy concept and calculations.</p>	<p>Test 2 Electricity (Paper1)</p> <p>Includes: Unit prefixes, I-V characteristics required practical, electricity equations, resistance and power calculations, zero error, mains electricity in the uk, precision, inversely proportional, resistors in series and parallel.</p>
<p>Test 3 Nuclear and Particles (Paper 1)</p> <p>Includes: Unit prefixes, Nuclear equations, alpha, beta and gamma radiation, background radiation, fission and fusion, half life, specific heat capacity and power calculations, resolution, zero error, density calculation.</p>	<p>Test 4 Forces (paper 2)</p> <p>Includes: Unit prefixes, $F=ma$ including $F=ma$ required practical, graph plotting and describing, random error. Conservation of momentum, force = rate of change of momentum and <i>explain safety features such as: air bags, seat belts, gymnasium crash mats, cycle helmets and cushioned surfaces for playgrounds with reference to the concept of rate of change of momentum</i>, distance time graphs including gradient of tangent to curve.</p>
<p>Test 5 Waves (paper 2)</p> <p>Includes: Unit prefixes, Refraction including refraction required practical including method, estimating uncertainty, ray diagrams for concave lenses, wave speed calculations, radio waves including how radio waves are transmitted and received, ultrasound, sound, ultrasound calculations.</p>	

The assessments will have similar structure with short and longer answer questions.

There will be mathematical components in the assessments and reference to required practical.