

S3 Physics National 5

TERM 1 (Aug 13th – Nov 14th, 2020)

<u>Weeks</u>	<u>Unit</u>	<u>Topic</u>
Week 1 (August 13 -15)	Electricity & Energy	Electrical charge carriers Electric Fields
Week 2, 3 (Aug 17 -29)	Electricity & Energy	Components & Symbols Circuit Diagrams
Week 4, 5 (Aug 31 – Sep 12)	Electricity & Energy	Series circuits Series circuit diagrams Parallel circuits Parallel circuit diagrams
Week 6 (Sep 14 – 19)	Electricity & Energy	Ohm's Law Resistance What factors affect resistance Uses of resistance

Week 7, 8 (Sep 21 – Oct 3)	Electricity & Energy	Electronic Circuits
Week 9 (Oct 5 – 10)	Electricity & Energy	Electronic Circuits Electrical Power
Week 10 (Oct 12 – 17)	MID-TERM HOLIDAY	
Week 11 (Oct 19 – 24)	Electricity & Energy	Conservation of Energy Potential & Kinetic Energy
Week 12 (Oct 26 – 31)	Electricity & Energy	Pressure, force & Area
Week 13 (Nov 2 – 7)	Electricity & Energy	Volume & Temperature
Week 14 (Nov 9 - 14)	Electricity & Energy	Pressure & Temperature
Nov 14 - 15	END OF TERM 1	

S3 Physics National 5

TERM 2 (Nov 16th 2020 – Feb 27th 2021)

Week 1 (Nov 16 – 21)	Electricity & Energy	Kinetic model
Week 2 (Nov 23 – 28)	Electricity & Energy	Specific Heat Capacity
Week 3 (Nov 30 – Dec 5)	Electricity & Energy	Reducing Energy waste
Week 4 (Dec 7 – 12)	Electricity & Energy	Revision
Week 5 (Dec 14 -19)	Electricity & Energy	Revision
Week 6 (Dec 21 – 23)	Electricity & Energy	Revision End of Unit Test
Week 6 - 7 (Dec 24 – Jan 5)	WINTER BREAK	

Week 8 (Jan 6 – 9)	Dynamics & Space	Vectors and Scalars
Week 9 (Jan 11 – 16)	Dynamics & Space	Average and Instantaneous Speed
Week 10 (Jan 18 – 23)	Dynamics & Space	Speed-Time Graphs
Week 11 (Jan 25 – 30)	Dynamics & Space	Speed and Acceleration
Week 12 (Feb 1 – 5)	Dynamics & Space	Acceleration Graphs
Feb (6 – 9)	MID-TERM HOLIDAY	
Week 13 (Feb 10 -13)	Dynamics & Space	Newton's Laws of Motion – Balanced and unbalanced forces
Week 14 (Feb 15 -20)	Dynamics & Space	Work Done, Force and Distance
Week 15 (Feb 22 – 27)	Dynamics & Space	Weight and Gravity

S3 Physics National 5
TERM 3 (March 1st – June 26th, 2021)

Week 1 (March 1- 6)	Dynamics & Space	Newton's Laws and Space Flight
Week 2 (March 8 - 13)	Dynamics & Space	Free Fall and Terminal Velocity
Week 3 (March 15 - 20)	Dynamics & Space	Projectiles
Week 4 (March 22 - 27)	Dynamics & Space	Satellite motion
Week 5 (March 29 – April 1st)	Dynamics & Space	Space exploration
Week 5 - 7 (April 2– 17)	APRIL HOLIDAY	
Week 8 (April 19 - 24)	Dynamics & Space	Re-entry and Heat

Week 9 (April 26 – May 1)	Dynamics & Space	Cosmology - The Universe
Week 10 (May 3 - 8)	MAY DAY, RAMADHAN/EID HOLIDAY	
Week 11 (May 10 - 15)	RAMADHAN/EID HOLIDAY	
Week 12 (May 17 – 22)	Dynamics & Space	Telescopes and waves
Week 13 (May 24 -29)	Dynamics & Space	Telescopes and waves
May 28 th – May 31 st , 2021	MID-TERM HOLIDAY	
Week 14 (May 31 – June 5)	Dynamics & Space	Revision
Week 15 (June 7 – 12)	Dynamics & Space	Revision
Week 16 (June 14 – 19)	Dynamics & Space	Revision

Week 17 (June 21 – 26)		Revision End of Unit Test
	END OF TERM 3	