Autumn 1	Year 10 Physics	Year 10 Physics	Year 10 Combined Higher (X2, X3)	Year 10 Combined Foundation (X4, X5)	Year 11 Physics	Year 11 Physics	Year 11 Combined Higher (X2, X3)	Year 11 Combined Higher (X2, X3)	Year 11 Combined Foundation (X4, X5)
Week 1 (w/b Wed 7 th Sep)	Lesson 1: 4.1.1.1 – Energy Stores and Systems Lesson 2: 4.1.1.2 - KE	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.1.1.1 - Energy Stores and Systems Lesson 2: 6.1.1.2 - KE	Lesson 1: 6.1.1.1 - Energy Stores and Systems Lesson 2: 6.1.1.2 - KE	Lesson 1: 4.5.1.1/4.5.1.2 – Scalar & Vector/Contact & Non-contact Lesson 2: 4.5.1.3/4.5.1.4 – Gravity/Resultant Forces	Lesson 1: 4.5.6.3.1 Stopping distance	Lesson 1: 6.5.1.1 – Scalars & Vectors Lesson 2: 6.5.1.2 – Contact and Non- contact	Lesson 1: 6.5.4.3.1 Stopping distance	Lesson 1: 6.5.1.1 - Scalar & Vector Lesson 2: 6.5.1.2 - Contact and Non- contact Lesson 3: 6.5.1.3 - Gravity
Key Words Level 2 Level 3	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, nonrenewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum
Common Misconceptions	Whether nuclear is renewable or not.	Whether nuclear is renewable or not.	Whether nuclear is renewable or not.	Whether nuclear is renewable or not.	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces
Homework	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable
	to ability of group	to ability of group	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.
Assessment this	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test
half-term									
Career	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: driving a car,				
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	passing your theory test,				
Employment	https://www.iop.org/c	https://www.iop.org/c	https://www.iop.org/c	https://www.iop.org/c	braking.	braking.	braking.	braking.	braking.
Links	areers-physics/your- future-with- physics/career- paths/policy-adviser	areers-physics/your- future-with- physics/career- paths/policy-adviser	areers-physics/your- future-with- physics/career- paths/policy-adviser	areers-physics/your- future-with- physics/career- paths/policy-adviser	EMPLOYMENT: Automotive engineering, satellite design.	EMPLOYMENT: Automotive engineering, satellite design.	EMPLOYMENT: Automotive engineering, satellite design.	EMPLOYMENT: Automotive engineering, satellite design.	EMPLOYMENT: Automotive engineering, satellite design.
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive

Week 2 (w/b 12 th Sep)	Lesson 1: 4.1.1.2 - GPE Lesson 2: 4.1.1.2 - EPE	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.1.1.2 - GPE Lesson 2: 6.1.1.2 - EPE	Lesson 1: 6.1.1.2 - GPE Lesson 2: 6.1.1.2 - EPE	Lesson 1: 4.5.2 – Work done & energy transfer Lesson 2: 4.5.3 – Forces and Elasticity		Lesson 1: 6.5.1.3 - Gravity Lesson 2: 6.5.1.4 - Resultant Forces	Lesson 1: 6.5.4.3.2 Reaction time	Lesson 1: 6.5.1.4 – Resultant Forces Lesson 2: 6.5.2 – Work done and energy transfer Lesson 3: 6.5.3 –
Key Words Level 2 Level 3	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Forces and elasticity Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum
Common Misconceptions	Whether nuclear is renewable or not.	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.		Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 3 (w/b 19 th Sep)	Lesson 1: 4.1.1.3 - SHC Lesson 2: 4.1.1.3 - SHC (RP)	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.1.1.3 - SHC Lesson 2: 6.1.1.3 - SHC (RP)	Lesson 1: 6.1.1.3 - SHC Lesson 2: 6.1.1.3 - SHC (RP)	Lesson 1: 4.5.3 – Forces and Elasticity (RP) Lesson 2: 4.5.4 – Moments, levers, gears	Lesson 1: 4.5.6.3.3 Factors affecting braking distance 1	Lesson 1: 6.5.2 – Work done and energy transfer Lesson 2: 6.5.3 – Forces and elasticity	Lesson 1: 6.5.4.3.3 Factors affecting braking distance 1	Lesson 1: 6.5.3 – Forces and Elasticity (RP)

									Lesson 2: 6.5.4.1.1 – Distance & displacement Lesson 3: 6.5.4.1.2 - Speed
Key Words Level 2 Level 3	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum
Common Misconceptions	Whether nuclear is renewable or not.	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces			
Homework	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable				
Assessment this	to ability of group Unit 1 Test	to ability of group Unit 1 Test	to ability of group. Unit 1 Test	to ability of group. Unit 1 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test
half-term Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 4 (w/b 26 th Sep)	Lesson 1: 4.1.1.4 - Power Lesson 2: 4.1.2.1 - Energy Transfers	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.1.1.4 - Power Lesson 2: 6.1.2.1 - Energy Transfers	Lesson 1: 6.1.1.4 - Power Lesson 2: 6.1.2.1 - Energy Transfers	Lesson 1: 4.5.5.1.1 – Pressure in a fluid 1 Lesson 2: 4.5.5.1.2 – Pressure in a fluid 2/4.5.5.2 – Atmospheric Pressure	Lesson 1: 4.5.6.3.4 Factors affecting braking distance 2	Lesson 1: 6.5.3 – Forces and elasticity (RP) Lesson 2: 6.5.4.1.1 – Distance & displacement	Lesson 1: 6.5.4.3.4 Factors affecting braking distance 2	Lesson 1: 6.5.4.1.3 - Velocity Lesson 2: 6.5.4.1.4 - Distance-time Lesson 3: 6.5.4.1.5 - Acceleration

Key Words Level 2 Level 3	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation Whether nuclear is	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation Whether nuclear is	Identify, describe, explain Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation Whether nuclear is	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum Drawing force arrows	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum
Common Misconceptions	renewable or not.	Whether nuclear is renewable or not.	renewable or not.	renewable or not.	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces
Assessment this	Kerboodle task suitable to ability of group Unit 1 Test	Kerboodle task suitable to ability of group Unit 1 Test	Kerboodle task suitable to ability of group. Unit 1 Test	Kerboodle task suitable to ability of group. Unit 1 Test	Kerboodle task suitable to ability of group. Unit 5 Test	Kerboodle task suitable to ability of group. Unit 5 Test	Kerboodle task suitable to ability of group. Unit 5 Test	Kerboodle task suitable to ability of group. Unit 5 Test	Kerboodle task suitable to ability of group. Unit 5 Test
half-term Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 5 (w/b 3 rd Oct)	Lesson 1: 4.1.2.1 – Energy Transfers (RP) Lesson 2: 4.1.2.2 - Efficiency	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.1.2.2 - Efficiency Lesson 2: 6.1.3 - National and Global Energy resources, Renewable and non- renewable	Lesson 1: 6.1.2.2 - Efficiency Lesson 2: 6.1.3 - National and Global Energy resources, Renewable and non- renewable	Lesson 1: 4.5.6.1.1/4.5.6.1.2/4.5. 6.1.3 – Describing Motion along a line Lesson 2: 4.5.6.1.4 – Distance-time	Lesson 1: Exam Questions	Lesson 1: 6.5.4.1.2/6.5.4.1.3 - Speed/Velocity Lesson 2: 6.5.4.1.4 - The distance—time relationship	Lesson 1: 6.5.4.2.1 – Newton's 1 st Law	Lesson 1: 6.5.4.2.1 – Newton's First Law Lesson 2: 6.5.4.2.2 – Newton's 2 nd Law Lesson 3: 6.5.4.2.2 – Newton's 2 nd Law (RP)
Key Words Level 2 Level 3	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain

	Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Energy, Joule, transfer, dissipation, efficiency, kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non-renewable, insulation	Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum
Common Misconceptions	Calculating efficiency as being over 100%	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces			
Homework	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable				
	to ability of group	to ability of group	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.
Assessment this	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test
half-term Career	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: driving a car,				
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	passing your theory test,				
Employment	https://www.iop.org/c	https://www.iop.org/c	https://www.iop.org/c	https://www.iop.org/c	braking.	braking.	braking.	braking.	braking.
Links	areers-physics/your-	areers-physics/your-	areers-physics/your-	areers-physics/your-					
	future-with-	future-with-	future-with-	future-with-	EMPLOYMENT: Automotive engineering,				
	physics/career-	physics/career-	physics/career-	physics/career-	satellite design.				
	paths/policy-adviser	paths/policy-adviser	paths/policy-adviser	paths/policy-adviser					, and the graph of
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high				
Skills	Literacy	Literacy	Literacy	Literacy	Literacy Creativity	Literacy Croativity	Literacy Creativity	Literacy Creativity	Literacy Creativity
	Creativity Numeracy	Creativity <mark>Numeracy</mark>	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy				
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening Communication	Listening	Listening	Listening	Listening	Listening
	Communication Presenting	Communication Presenting	Communication Presenting	Presenting	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving				
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive				
Week 6	Lesson 1: 4.1.3 –	Lesson 1: Scientific	Lesson 1: 6.1.3 -	Lesson 1: 6.1.3 -	Lesson 1: 4.5.6.1.5 -	Lesson 1: Exam	Lesson 1: 6.5.4.1.5	Lesson 1: 6.5.4.2.2 –	Lesson 1: 6.5.4.2.3 –
(w/b 10 th Oct)	National and Global	Literacy/Exam	National and Global	National and Global	Acceleration	Questions	Acceleration, a =	Newton's 2 nd Law	Newton's 3 rd Law
	Energy resources,	Questions	Energy resources,	Energy resources,	Lesson 2:		deltaV/deltat	(F=ma) (RP)	Lesson 2: 6.5.4.3.1 –
	Renewable and non-		Advantages and	Advantages and	4.5.6.2.1/4.5.6.2.3 -		Lesson 2: 6.5.4.1.5		Stopping Distances
	renewable		disadvantages	disadvantages	Newton's 1 st and 3 rd		Acceleration, $v^2 - u^2 =$		Lesson 3: 6.5.4.3.2 –
	Lesson 2: 4.1.3 –		Lesson 2: Test	Lesson 2: Test	Law		2as		Stopping Distances
	National and Global								
	Energy resources, Advantages and								
	disadvantages								
Key Words	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,				
Level 2	explain	explain	<mark>explain</mark>	explain	explain	explain	explain	explain	explain
Level 3	Energy, Joul <mark>e, transfe</mark> r,	Energy, Joule, transfer,	Energy, Joule, transfer,	Energy, Joule, transfer,	Scalar, vector, contact,				
	dissipation, efficiency,	dissipation, efficiency,	dissipation, efficiency,	dissipation, efficiency,	non-contact, balanced,				

	kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non- renewable, insulation	kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non- renewable, insulation	kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non- renewable, insulation	kinetic, gravitational, elastic, specific heat capacity, power, Watt, kilo, renewable, non- renewable, insulation	unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum	unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/think ing distance, momentum
Common Misconceptions	Whether or not nuclear power is renewable or non- renewable	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces			
Homework	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable				
Assessment this	to ability of group Unit 1 Test	to ability of group Unit 1 Test	to ability of group. Unit 1 Test	to ability of group. Unit 1 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test	to ability of group. Unit 5 Test
half-term	Offit I rest	Office Fresc	Offit I rest	Office Fresc	Offic 5 Test				
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/policy-adviser	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.	LIFE SKILLS: driving a car, passing your theory test, braking. EMPLOYMENT: Automotive engineering, satellite design.
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 7 (w/b 17 th Oct)	Lesson 1: Test Lesson 2: Feedback	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: 4.5.6.2.2 - Newton's 2 nd Law (F=ma) Lesson 2: 4.5.6.2.2 - Newton's 2 nd Law (F=ma) (RP)	Lesson 1: Exam Questions	Lesson 1: 6.5.5.1/6.5.5.2 - Momentum is a property of moving objects/ Conservation of momentum Lesson 2: - Test	Lesson 1: 6.5.4.2.3 – Newton's 3 rd Law	Lesson 1: 6.5.4.3.3/6.5.4.3.4 – Stopping Distances Lesson 2: Test Lesson 3: Exemplar
Key Words Level 2 Level 3					Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure,	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure,	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure,	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure,	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure,

				T	fl. ; al aliata a	fluid distant	fluid distance	fluid distance	fluid distance
					<mark>fluid</mark> , distance,				
					displacement, speed,				
					velocity, acceleration,				
					stopping/braking/think	stopping/braking/think	stopping/braking/think	stopping/braking/think	stopping/braking/think
					ing distance,				
					momentum	momentum	momentum	momentum	momentum
Common					Drawing force arrows				
Misconceptions					from the wrong place,				
					or not accurately using				
					them to show				
					balanced/unbalanced	balanced/unbalanced	balanced/unbalanced	balanced/unbalanced	balanced/unbalanced
					forces	forces	forces	forces	forces
Homework	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable	Kerboodle task suitable				
	to ability of group	to ability of group	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.	to ability of group.
Assessment this		Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test	Unit 5 Test
half-term									
Career					LIFE SKILLS: driving a car,				
opportunities					passing your theory test,				
Employment					braking.	braking.	braking.	braking.	braking.
Links									
					EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:
					Automotive engineering,				
					satellite design.				
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high				
Skills	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy Constitution	Literacy	Literacy	Literacy Connectivities
	Creativity	Creativity	Creativity	Creativity	Creativity Numeracy	Creativity	Creativity Numeracy	Creativity	Creativity Numeracy
	Numeracy Leadership	Numeracy Leadership	Numeracy Leadership	Numeracy Leadership	Leadership	Numeracy Leadership	Leadership	Numeracy Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving				
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive				

Autumn 2	Year 10 Physics	Year 10 Physics	Year 10 Combined Higher (X2, X3)	Year 10 Combined Foundation (X4, X5)	Year 11 Physics	Year 11 Physics	Year 11 Combined Higher (X2, X3)	Year 11 Combined Higher (X2, X3)	Year 11 Combined Foundation (X4, X5)
Week 8 (w/b 31 st Oct)	Lesson 1: Exemplars Lesson 2: Re-test	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Re-test Lesson 2: 6.2.1.1 Standard circuit diagram symbols	Lesson 1: Re-test Lesson 2: 6.2.1.1 Standard circuit diagram symbols	Lesson 1: Mock Exam Lesson 2: Mock Exam	Lesson 1: Exam Questions	Lesson 1: Mock Exam Lesson 2: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam Lesson 2: Mock Exam Lesson 3: Mock Exam
Key Words Level 2 Level 3			Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d					
Common Misconceptions			Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.					
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock Exam				

Carragii	LIEE CKILLO:	TIEE CKIII C	LIEE CKILLC:	THE CKILLO					
Career	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:					
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:					
Employment	https://www.iop.org/c	https://www.iop.org/ca	https://www.iop.org/c	https://www.iop.org/c					
Links	areers-physics/your-	reers-physics/your-	areers-physics/your-	areers-physics/your-					
	<u>future-with-</u>	future-with-	future-with-	future-with-					
	physics/career-	physics/career-	physics/career-	physics/career-					
	paths/chief-executive-	paths/chief-executive-	paths/chief-executive-	paths/chief-executive-					
	officer	officer	officer	officer					
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	<mark>Literacy</mark>	<mark>Literacy</mark>	<mark>Literacy</mark>	Literacy	Literacy	Literacy	Literacy	Literacy
	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
Week 9	Lesson 1: 4.2.1.1	Lesson 1: Scientific	Lesson 1: 6.2.1.2	Lesson 1: 6.2.1.2	Lesson 1: Mock Exam	Lesson 1: Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam
(w/b 7 th Nov)	Standard circuit	Literacy/Exam		Electrical charge and	Lesson 2: Mock Exam	Questions	Lesson 2: Mock Exam	LESSOII I. WIOCK LAGIII	Lesson 2: Mock Exam
(W/D /" NOV)		• • • • • • • • • • • • • • • • • • • •	Electrical charge and		Lesson 2: Mock Exam	Questions	Lesson 2: Mock Exam		
	diagram symbols	Questions	current	current					Lesson 3: Mock Exam
	Lesson 2: 4.2.1.2		Lesson 2: 6.2.1.3	Lesson 2: 6.2.1.3					
	Electrical charge and		Current, resistance	Current, resistance					
	current		and potential	and potential					
			difference	difference					
Key Words	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,					
Level 2	explain explain	<mark>explain</mark>	<mark>explain</mark>	explain explain					
Level 3	Rate <mark>, energy, charge</mark> ,	Rate, energy, <mark>charge,</mark>	Rate, energy, <mark>charge</mark> ,	Rate, energy, <mark>charge</mark> ,					
	negative, positive,	negative, positive,	negative, positive,	negative, positive,					
	terminal, parallel, series,	terminal, parallel, series,	terminal, parallel, series,	terminal, parallel, series,					
	loop, p.d	loop, p.d Understanding the	loop, p.d	loop, p.d					
Common	Understanding the difference between	difference between	Understanding the difference between	Understanding the difference between					
Misconceptions	current and voltage – via	current and voltage – via	current and voltage – via	current and voltage – via					
	learning defs.	learning defs.	learning defs.	learning defs.					
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
TIOINEWOIK	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	group	to usinty or group	group.	group.	group.	to ability of group.	group.	group.	domey of group.
Assessment this	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock
half-term	Offic 2 Test	Offic 2 Test	Offic 2 Test	Offic 2 Test	Exam	Exam	Exam	Exam	Exam
Career	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:			-//		
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:					
Employment	https://www.iop.org/c	https://www.iop.org/ca	https://www.iop.org/c	https://www.iop.org/c					
Links	areers-physics/your-	reers-physics/your-	areers-physics/your-	areers-physics/your-					
LIIIKS	future-with-	future-with-	future-with-	future-with-					
	physics/career-	physics/career-	physics/career-	physics/career-					
		paths/chief-executive-		paths/chief-executive-					
	paths/chief-executive-		paths/chief-executive-	-					
Employability	officer	officer	officer	officer	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Employability	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
Skills	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
<u> </u>			b	B	b	b		B	

	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive	Communication Presenting Teamwork Problem solving Staying positive
Week 10 (w/b 14 th Nov)	Lesson 1: 4.2.1.3 Current, resistance and potential difference Lesson 2: 4.2.1.3 Current, resistance and potential difference (RP)	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.2.1.3 Current, resistance and potential difference (RP) Lesson 2: 6.2.1.4 Resistors (RP)	Lesson 1: 6.2.1.3 Current, resistance and potential difference (RP) Lesson 2: 6.2.1.4 Resistors (RP)	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Feedback	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Scientific Literacy	Lesson 1: Exemplars Lesson 2: Feedback Lesson 3: 6.6.1.1 Transverse and longitudinal waves
Key Words Level 2 Level 3	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d					Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.
Common Misconceptions	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.					Understanding the difference between a longitudinal and transverse wave – via learning the defs.
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock Exam				
Career	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	EXCIT	Exam	EXCIT	EXCIT	LIFE SKILLS: Playing both
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:					stringed and wind musical
Employment	https://www.iop.org/c	https://www.iop.org/ca	https://www.iop.org/c	https://www.iop.org/c					instruments.
Links	areers-physics/your- future-with- physics/career- paths/chief-executive- officer	reers-physics/your- future-with- physics/career- paths/chief-executive- officer	areers-physics/your- future-with- physics/career- paths/chief-executive- officer	areers-physics/your- future-with- physics/career- paths/chief-executive- officer					EMPLOYMENT: Musician, Geophysicist, fibre optical designer.
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy
	Creativity	Creativity Numeracy	Creativity	Creativity Numeracy	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy Leadership	Leadership	Numeracy Leadership	Leadership	Numeracy Leadership	Numeracy Leadership	Numeracy Leadership	Numeracy Leadership	Numeracy Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication Draconting
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
Week 11	Lesson 1: 4.2.1.4	Lesson 1: Scientific	Lesson 1: 6.2.3.1	Lesson 1: 6.2.3.1	Lesson 1: 4.5.7.1	Lesson 1: Exam	Lesson 1: 6.6.1.1	Lesson 1: Scientific	Lesson 1: 6.6.1.2
(w/b 21 st Nov)	Resistors	Literacy/Exam	Direct and alternating	Direct and alternating	Momentum is a	Questions	Transverse and	Literacy	Properties of waves
	Lesson 2: 4.2.1.4	Questions	potential difference	potential difference	property of moving		longitudinal waves	,	Lesson 2: 6.6.1.2
	Resistors (RP)		Lesson 2: 6.2.3.2	Lesson 2: 6.2.3.2	objects		Lesson 2: 6.6.1.2		Properties of waves (RP)
			Mains electricity	Mains electricity	Lesson 2: 4.5.7.2		Properties of waves		Lesson 3: 6.6.2.1 Types
					Conservation of				of electromagnetic waves

Key Words Level 2 Level 3	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	momentum/4.5.7.3 Changes in momentum Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/thin king distance, momentum		Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.
Common Misconceptions	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces		Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.				
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/chief-executive-	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/ca reers-physics/your- future-with- physics/career- paths/chief-executive-	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/chief-executive-	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/chief-executive-	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.
Employability Skills	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 12 (w/b 28 th Nov)	Lesson 1: 4.2.2 Series and parallel circuits Lesson 2: 4.2.2 Series and parallel circuits (Pracatical)	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.2.4.1 Power (calculations) Lesson 2: 6.2.4.1 Power (calculations)	Lesson 1: 6.2.4.1 Power Lesson 2: 6.2.4.1 Power (calculations)	Lesson 1: 4.5.7.3 Changes in momentum Lesson 2: Test	Lesson 1: Exam Questions	Lesson 1: 6.6.1.2 Properties of waves (RP) Lesson 2: 6.6.2.1 Types of electromagnetic waves	Lesson 1: Scientific Literacy	Lesson 1: 6.6.2.2 Properties of electromagnetic waves 1 Lesson 2: 6.6.2.2 Properties of electromagnetic waves 1 (RP)

Key Words Level 2 Level 3	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Scalar, vector, contact, non-contact, balanced, unbalanced, resultant, newton, gravity, weight, work done, elasticity, moment, lever, gear, pressure, fluid, distance, displacement, speed, velocity, acceleration, stopping/braking/thin king distance, momentum		Identify, describe, explain Transverse wave, Iongitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Lesson 3: 6.6.2.3 Properties of electromagnetic waves 2 Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.
Common Misconceptions	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Drawing force arrows from the wrong place, or not accurately using them to show balanced/unbalanced forces		Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.				
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/chief-executive-officer	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/ca reers-physics/your- future-with- physics/career- paths/chief-executive- officer	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/chief-executive- officer	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/chief-executive-officer			LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 13 (w/b 5 th Dec)	Lesson 1: 4.2.2 Series and parallel circuits (Calculations)	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.2.4.2 Energy transfers in everyday appliances Lesson 2: 6.2.4.2 Energy transfers in	Lesson 1: 6.2.4.2 Energy transfers in everyday appliances Lesson 2: 6.2.4.2 Energy transfers in	Lesson 1: Exemplars Lesson 2: Re-test	Lesson 1: Feedback	Lesson 1: 6.6.2.2 Properties of electromagnetic waves 1	Lesson 1: Scientific Literacy	Lesson 1: 6.6.2.4 Uses and applications of electromagnetic waves Lesson 2: Test Lesson 3: Exemplars

	Lesson 2: 4.2.3 Domestic uses and safety		everyday appliances (calculations)	everyday appliances (calculations)			Lesson 2: 6.6.2.2 Properties of electromagnetic waves 1 (RP)		
Key Words Level 2 Level 3	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d			Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.
Common Misconceptions	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.			Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/chief-executive- officer	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/ca reers-physics/your- future-with- physics/career- paths/chief-executive- officer	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/chief-executive- officer	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/chief-executive- officer			LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 14 (w/b 12 th Dec)	Lesson 1: 4.2.4.1 Power Lesson 2: 4.2.4.1 Power (calculations)	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.2.4.3 The National Grid Lesson 2: Test	Lesson 1: 6.2.4.3 The National Grid Lesson 2: Test	Lesson 1: 4.6.1.1 Transverse and longitudinal waves Lesson 2: 4.6.1.2 Properties of waves	Lesson 1: Exam Questions	Lesson 1: 6.6.2.3 Properties of electromagnetic waves 2 Lesson 2: 6.6.2.4 Uses and applications of electromagnetic waves	Lesson 1: Scientific Literacy	Lesson 1: Feedback Lesson 2: Re-test Lesson 3: Revise for Mock, w/b 16 th Jan
Key Words Level 2 Level 3	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain Transverse wave, Iongitudinal wave,

	Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.
Common Misconceptions	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam			
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/chief-executive-	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/ca reers-physics/your- future-with- physics/career- paths/chief-executive-	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/chief-executive-	LIFE SKILLS: EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/chief-executive-	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.
Employability Skills	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	officer Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 15 (w/b 19 th Dec)	Lesson 1: 4.2.4.2 Energy transfers in everyday appliances Lesson 2: 4.2.4.2 Energy transfers in everyday appliances (calculations)	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: 4.6.1.2 Properties of waves (RP) Lesson 2: 4.6.1.3 Reflection of waves (RP)	Lesson 1: Exam Questions	Lesson 1: Test Lesson 2: Exemplars	Lesson 1: Scientific Literacy	Lesson 1: Revise for Mock, w/b 16 th Jan Lesson 2: Revise for Mock, w/b 16 th Jan Lesson 3: Revise for Mock, w/b 16 th Jan
Key Words Level 2 Level 3	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	
Common Misconceptions	Understanding the difference between	Understanding the difference between	Understanding the difference between	Understanding the difference between	Understanding the difference between a				

	current and voltage – via	longitudinal and	longitudinal and	longitudinal and	longitudinal and				
	learning defs.	learning defs.	learning defs.	learning defs.	transverse wave – via	transverse wave – via	transverse wave – via	transverse wave – via	
	icarring acrs.	learning ders.	learning ders.	icarriing acrs.	learning the defs.	learning the defs.	learning the defs.	learning the defs.	
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
110mework	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	· ·	to ability of group	,	•	,	to ability of group.	1	1	ability of group.
	group	Hall 2 Table	group.	group.	group.	Decree 2 Decree La March	group.	group.	Decree 2 Decree Le March
Assessment this	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 2 Test	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock
half-term					Exam	Exam	Exam	Exam	Exam
Career	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	stringed and wind	stringed and wind musical	stringed and wind	stringed and wind	stringed and wind musical
Employment	https://www.iop.org/c	https://www.iop.org/ca	https://www.iop.org/c	https://www.iop.org/c	musical instruments.	instruments.	musical instruments.	musical instruments.	instruments.
Links	areers-physics/your-	reers-physics/your-	areers-physics/your-	areers-physics/your-					
	future-with-	future-with-	future-with-	future-with-	EMPLOYMENT:	EMPLOYMENT: Musician,	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Musician,
	physics/career-	physics/career-	physics/career-	physics/career-	Musician, Geophysicist,	Geophysicist, fibre optical	Musician, Geophysicist,	Musician, Geophysicist,	Geophysicist, fibre optical
	paths/chief-executive-	paths/chief-executive-	paths/chief-executive-	paths/chief-executive-	fibre optical designer.	designer.	fibre optical designer.	fibre optical designer.	designer.
	officer	officer	officer	officer					
Employability	Aiming high	Aiming high	Aiming high	Aiming high					
	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy
Skills	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving					
	Staying positive	Staying positive	Staying positive	Staying positive					
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Spring 1	Year 10 Physics	Year 10 Physics	Year 10 Combined Higher (X2, X3)	Year 10 Combined Foundation (X4, X5)	Year 11 Physics	Year 11 Physics	Year 11 Combined Higher (X2, X3)	Year 11 Combined Higher (X2, X3)	Year 11 Combined Foundation (X4, X5)
Week 16 (w/b 4 th Jan)	Lesson 1: 4.2.4.3 The National Grid Lesson 2: 4.2.5 Static electricity	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Re-test Lesson 2: 6.3.1.1 Density of materials	Lesson 1: Re-test Lesson 2: 6.3.1.1 Density of materials	Lesson 1: 4.6.1.4 Sound waves Lesson 2: 4.6.1.5 Waves for detection and exploration	Lesson 1: Exam Questions	Lesson 1: Feedback Lesson 2: Re-test	Lesson 1: Scientific Literacy	Lesson 1: Revise for Mock, w/b 16 th Jan Lesson 2: Revise for Mock, w/b 16 th Jan Lesson 3: Revise for Mock, w/b 16 th Jan
Key Words Level 2 Level 3	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Rate, energy, charge, negative, positive, terminal, parallel, series, loop, p.d	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	All taught so far
Common Misconceptions	Understanding the difference between current and voltage – via learning defs.	Understanding the difference between current and voltage – via learning defs.	TE is not the same as temperature	TE is not the same as temperature	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.

Assessment this half-term Career Opportunities Employment Links Employability Skills Employability Skills Literacy Creativity Numeracy Assessment this half-term Unit 2 Test/Mock Unit 2 Test/Mock Unit 2 Test/Mock Unit 2 Test/Mock Unit 3 Test/Mock EMPLOYMENT: Sewage treatment worker Aiming high Literacy Creativity Numeracy Creativity Numeracy	esilience LIFE SKILLS: Playing both stringed and wind	Paper 2 Bespoke Mock Exam LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy Creativity Numeracy Leadership	Paper 2 Bespoke Mock Exam LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy Creativity	Paper 2 Bespoke Mock Exam LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy Creativity	Paper 2 Bespoke Mock Exam LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy
Career opportunities phomes obtain LinksLIFE SKILLS: Understanding how homes obtain electricity EMPLOYMENT: EMPLOYMENT: ElectricianLIFE SKILLS: Resilience EMPLOYMENT: Research scientistLIFE SKILLS: Resilience EMPLOYMENT: Sewage treatment workerEmployability SkillsAiming high Literacy CreativityAiming high Literacy CreativityAiming high Literacy CreativityAiming high Literacy Creativity	esilience T: stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy Creativity Numeracy Leadership Independence	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy Creativity Numeracy	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy Creativity	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer. Aiming high Literacy
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Week 17 Lesson 1: 4.2.5 Static Lesson 1: Scientific Lesson 1: 6.3.1.1 Lesson 1: 6.3.	1.1 Losson 1, 4.6.2.1	Losson 1. Evom	Lesson 1: Revise for	Lesson 1: Scientific	Lesson 1: Revise for
		Lesson 1: Exam			
	7.7	Questions	Mock, w/b 16 th Jan	Literacy	Mock, w/b 16 th Jan
Lesson 2: Test Questions (RP) (RP)	electromagnetic		Lesson 2: Revise for		Lesson 2: Revise for
Lesson 2: 6.3.1.2 Lesson 2: 6.3.			Mock, w/b 16 th Jan		Mock, w/b 16 th Jan
Changes of Changes of	Lesson 2: 4.6.2.2				Lesson 3: Revise for
state/6.3.2.1 Internal state/6.3.2.1 I	•				Mock, w/b 16 th Jan
energy energy	electromagnetic				
	waves 1				
Key Words Identify, describe, Identify, describe, Identify, describe, Identify, describe,		Identify, describe,	All taught so far	All taught so far	All taught so far
Level 2 explain explain explain explain	<u>explain</u>	<mark>explain</mark>			
Level 3 Rate, energy, charge, Rate, energy, charge, Conduction, convection Conduction, co		Transverse wave,			
negative, positive, Infra-Red radiation, Infra-Red		longitudinal wave,			
terminal, parallel, series, terminal, parallel, series, dissipation, thermal dissipation, the		compression, rarefaction,			
loop, p.d loop, p.d conductivity, emit, absorb. conductivity, emit, absorb.	mit, rarefaction, progression, displacement, particle,	progression, displacement, particle, peak, crest,			
absorb.	peak, crest, trough,	trough, wavelength,			
	wavelength, frequency,	frequency, amplitude,			
	amplitude, lambda,	lambda, hertz, period of			
	hertz, period of wave.	wave.			
Common Understanding the Understanding the TE is not the same as TE is not the same		Understanding the	Understanding the	Understanding the	All taught so far
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half-term	Exam	Exam	Exam	Exam	Exam
Career LIFE SKILLS: Resilience LIFE SKILLS: Resilience LIFE SKILLS: Planning LIFE SKILLS: Pl	lanning LIFE SKILLS: Playing both	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both
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Links					
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	Musician, Geophysicist,	Geophysicist, fibre optical	Musician, Geophysicist,	Musician, Geophysicist,	Geophysicist, fibre optical
	fibre optical designer.	designer.	fibre optical designer.	fibre optical designer.	designer.

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in a system and specific heat capacity Lesson 2: 63.2.3 Changes of heat and specific later the heat days of the same as general process of the same as gene	Week 18	Lesson 1: Exemplars	Lesson 1: Feedback	Lesson 1: 6.3.2.2	Lesson 1: 6.3.2.2	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam
in a system and specific heat capacity Lesson 2: 63.2.3 Changes of heat and specific later the heat days of the same as general process of the same as gene	(w/b 16 th Jan)	Lesson 2: Re-test		Temperature changes	Temperature changes	Lesson 2: Mock Exam		Lesson 2: Mock Exam		Lesson 2: Mock Exam
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Week 19	Lesson 1: 4.3.1.1	Lesson 1: Scientific	Lesson 1: 6.3.3.1	Lesson 1: 6.3.3.1	Lesson 1: Exemplars	Lesson 1:	Lesson 1: Exemplars	Lesson 1: Feedback	Lesson 1: Exemplars
(w/b 23 rd Jan)	Density of materials	Literacy/Exam	Particle motion in	Particle motion in	Lesson 2: 4.6.2.2	Feedback	Lesson 2: 6.7.1.1 Poles		Lesson 2: Feedback
	Lesson 2: 4.3.1.1	Questions	gases	gases	Properties of		of a magnet		Lesson 3: 6.7.1.1 Poles of
	Density of materials (RP)		Lesson 2: Test	Lesson 2: Test	electromagnetic waves 1 (RP)				a magnet
Key Words	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe, explain
Level 2	explain	explain	explain	explain	explain	explain	explain	explain	Pole, field lines, force lines,
Level 3	Conduction, convection	Conduction, convection	Conduction, convection	Conduction, convection	Transverse wave,	Transverse wave,	Pole, field lines, force	Pole, field lines, force	flux lines, neutral point, test
	Infra-Red radiation,	Infra-Red radiation,	Infra-Red radiation,	Infra-Red radiation,	longitudinal wave,	longitudinal wave,	lines, flux lines, neutral	lines, flux lines, neutral	magnet, lodestone, dipole,
	dissipation, thermal conductivity, emit,	dissipation, thermal conductivity, emit, absorb.	dissipation, thermal conductivity, emit,	dissipation, thermal conductivity, emit,	compression, rarefaction, progression,	compression, rarefaction, progression, displacement,	point, test magnet, lodestone, dipole,	point, test magnet, lodestone, dipole,	<pre>plotting compass, field strength, iron filings</pre>
	absorb.	conductivity, enne, absorb.	absorb.	absorb.	displacement, particle,	particle, peak, crest,	plotting compass, field	plotting compass, field	
					peak, crest, trough,	trough, wavelength,	strength, iron filings	strength, iron filings	
					wavelength, frequency, amplitude, lambda,	frequency, amplitude, lambda, hertz, period of			
					hertz, period of wave.	wave.			
Common	TE is not the same as	TE is not the same as	TE is not the same as	TE is not the same as	Understanding the	Understanding the	Flux lines come out of	Flux lines come out of	Flux lines come out of north
Misconceptions	temperature	temperature	temperature	temperature	difference between a longitudinal and	difference between a longitudinal and	north and into south.	north and into south.	and into south.
					transverse wave – via	transverse wave – via			
					learning the defs.	learning the defs.			
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
Assessment this	group Unit 2 Test/Mock	Unit 2 Test/Mock	group. Unit 3 Test/Mock	group. Unit 3 Test/Mock	group. Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	group. Paper 2 Bespoke Mock	group. Paper 2 Bespoke Mock	Paper 2 Bespoke Mock
half-term	Office Pesty Widek	ome 2 resty whock	ome s rest, whock	ome s rest, widek	Exam	Exam	Exam	Exam	Exam
Career	LIFE SKILLS: Planning	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Playing both	LIFE SKILLS: Playing both	LIFE SKILLS: 3-	LIFE SKILLS: 3-	LIFE SKILLS: 3-dimensional
opportunities	practical work	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	stringed and wind	stringed and wind musical	dimensional thinking and	dimensional thinking and	thinking and problem
Employment	EMPLOYMENT:	Research scientist	Research scientist	Research scientist	musical instruments.	instruments.	problem solving. Use of compass	problem solving. Use of compass	solving. Use of compass EMPLOYMENT: Potential
Links	Research scientist				EMPLOYMENT:	EMPLOYMENT: Musician,	EMPLOYMENT: Potential	EMPLOYMENT: Potential	field geophysicist
					Musician, Geophysicist, fibre optical designer.	Geophysicist, fibre optical designer.	field geophysicist	field geophysicist	
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	Literacy	<u>Literacy</u>	Literacy	Literacy	Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening Communication	Listening	Listening Communication	Listening Communication	Listening	Listening	Listening Communication	Listening
	Communication Presenting	Presenting	Communication Presenting	Presenting	Presenting	Communication Presenting	Communication Presenting	Presenting	Communication Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
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Week 20	Lesson 1: 4.3.1.2	Lesson 1: Scientific	Lesson 1: Exemplar	Lesson 1: Exemplar	Lesson 1: 4.6.2.3	Lesson 1: Exam	Lesson 1: 6.7.1.2	Lesson 1: Scientific	Lesson 1: 6.7.1.2
(w/b 30 th Jan)	Changes of	Literacy/Exam	Lesson 2: Feedback	Lesson 2: Feedback	Properties of	Questions	Magnetic fields	Literacy	Magnetic fields
	state/4.3.2.1 Internal	Questions			electromagnetic		Lesson 2: 6.7.2.1		Lesson 2: 6.7.2.1
	energy Lesson 2: 4.3.2.2				waves 2 Lesson 2: 4.6.2.4 Uses		Electromagnetism		Electromagnetism Lesson 3: Test
	Temperature changes				and applications of				LEGGOTT J. TEGE
	in a system and				electromagnetic				
	specific heat capacity				waves				
Key Words	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe, explain
Level 2	explain Conduction, convection	explain Conduction convection	explain Conduction convection	explain Conduction convection	<mark>explain</mark> Transverse wave	<mark>explain</mark> Transversa wayo	explain	explain	Pole, field lines, force lines, flux lines, neutral point, test
Level 3	Conduction, convection	Conduction, convection	Conduction, convection	Conduction, convection	Transverse wave,	Transverse wave,	Pole, field lines, force	Pole, field lines, force	nux imes, neutrai point, test
	Infra-Red radiation,	Infra-Red radiation,	Infra-Red radiation,	Infra-Red radiation,	longitudinal wave,	longitudinal wave,	lines, flux lines, neutral	lines, flux lines, neutral	magnet, lodestone, dipole,

	conductivity, emit, absorb.	dissipation, thermal conductivity, emit, absorb.	conductivity, emit, absorb.	conductivity, emit, absorb.	rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	lodestone, dipole, plotting compass, field strength, iron filings	lodestone, dipole, plotting compass, field strength, iron filings	plotting compass, field strength, iron filings
Common Misconceptions	TE is not the same as temperature	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Flux lines come out of north and into south.	Flux lines come out of north and into south.	Flux lines come out of north and into south.			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test/Mock	Unit 2 Test/Mock	Unit 3 Test/Mock	Unit 3 Test/Mock	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam	Paper 2 Bespoke Mock Exam
Career opportunities Employment Links	LIFE SKILLS: Understanding how temperature changes EMPLOYMENT: Heating engineer	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician, Geophysicist, fibre optical designer.	LIFE SKILLS: 3 dimensional thinking and problem solving. Use of compass EMPLOYMENT: Potential field geophysicist	LIFE SKILLS: 3 dimensional thinking and problem solving. Use of compass EMPLOYMENT: Potential field geophysicist	LIFE SKILLS: 3 dimensional thinking and problem solving. Use of compass EMPLOYMENT: Potential field geophysicist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills				<u> </u>	Kerboodle/Everlearner ho	•			
Week 21 (w/b 6 th Feb)	Lesson 1: 4.3.2.3 Changes of state and specific latent heat Lesson 2: Revise	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Re-test Lesson 2: Revise Units 1-3	Lesson 1: Re-test Lesson 2: Revise Units 1-3	Lesson 1: 4.6.2.5 Lenses Lesson 2: 4.6.2.5 Lenses (practical?)	Lesson 1: Exam Questions	Lesson 1: 6.7.2.2 Fleming's left-hand rule Lesson 2: 6.7.2.3 Electric motors	Lesson 1: Scientific Literacy	Lesson 1: Feedback Lesson 2: Exemplars Lesson 3: Re-test
Key Words Level 2 Level 3	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.			Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet, lodestone, dipole, plotting compass, field strength, iron filings	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet, lodestone, dipole, plotting compass, field strength, iron filings	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet, lodestone, dipole, plotting compass, field strength, iron filings
Common Misconceptions	TE is not the same as temperature	TE is not the same as temperature			Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Flux lines come out of north and into south.	Flux lines come out of north and into south.	Flux lines come out of north and into south.

Hamani	Kaulaaadla taal	Manha and a tool, as it able	Manha andla tanlı	Manhaadla taal	Manhaadla taal	Manha and a tool and to bla	Karda a adla ta ali	Kanlaa alla kaali	Kanlaa alla kaali asikalala ka
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
A	group	11.11.2 T /8.4 l	group.	group.	group.	Decree 2 Decreed a March	group.	group.	Daniel 2 Daniel - Maril
Assessment this	Unit 2 Test/Mock	Unit 2 Test/Mock	Unit 3 Test/Mock	Unit 3 Test/Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock	Paper 2 Bespoke Mock
half-term	LIEF CIVIL C. D	THE CHAIL OF THE	LIEF CIVILLO B. III	LIEF CIVILLO B. III	Exam	Exam	Exam	Exam	Exam
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Playing both stringed and wind	LIFE SKILLS: Playing both stringed and wind musical	LIFE SKILLS: 3- dimensional thinking and	LIFE SKILLS: 3- dimensional thinking and	LIFE SKILLS: 3-dimensional thinking and problem
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	musical instruments.	instruments.	problem solving. Use of	problem solving. Use of	solving. Use of compass
Employment	Research scientist	Research scientist	Research scientist	Research scientist	musical mistraments.	mstraments.	compass	compass	EMPLOYMENT: Potential
Links					EMPLOYMENT:	EMPLOYMENT: Musician,	EMPLOYMENT: Potential	EMPLOYMENT: Potential	field geophysicist
					Musician, Geophysicist,	Geophysicist, fibre optical	field geophysicist	field geophysicist	
					fibre optical designer.	designer.			
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	<u>Literacy</u>	<u>Literacy</u>	<u>Literacy</u>	Literacy	<u>Literacy</u>
	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy 	Numeracy 	Numeracy 	Numeracy 	Numeracy 	Numeracy 	Numeracy 	Numeracy	Numeracy
	Leadership Independence	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Listening	Independence Listening	Independence Listening	Independence Listening	Independence Listening	Independence Listening	Independence Listening	Independence Listening	Independence Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills				IT2;	Kerboodle/Everlearner ho	mework		,	
Notes/develop	Lesson 1:	Lesson 1:	Lesson 1:	Lesson 1:	Lesson 1:	Lesson 1:	Lesson 1:	Lesson 1:	Lesson 1:
ments	Lesson 2:		Lesson 2:	Lesson 2:	Lesson 2:		Lesson 2:		Lesson 2:
/standardisatio									Lesson 3:
n comments									
Week 22	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: 4.6.2.6	Lesson 1: Exam	Lesson 1: Test	Lesson 1: Scientific	Lesson 1: Revise Unit 5
(w/b 13 th Feb)	Lesson 2: Mock Exam		Lesson 2: Mock Exam	Lesson 2: Mock Exam	Visible light	Questions	Lesson 2: Feedback	Literacy	(inc. RPs)
					Lesson 2: 4.6.3.1				Lesson 2: Revise Unit 5
					Emission and				(inc. RPs)
					absorption of infrared				Lesson 3: Revise Unit 5
					radiation				(inc. RPs)
Key Words					Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe, explain
Level 2					<u>explain</u>	<mark>explain</mark>	explain	explain	Pole, field lines, force lines,
Level 3					Transverse wave,	Transverse wave,	Pole, field lines, force	Pole, field lines, force	flux lines, neutral point, test
					longitudinal wave,	longitudinal wave, compression, rarefaction,	lines, flux lines, neutral	lines, flux lines, neutral	magnet, lodestone, dipole, plotting compass, field
					compression, rarefaction, progression,	progression, displacement,	point, test magnet, lodestone, dipole,	point, test magnet, lodestone, dipole,	strength, iron filings
					displacement, particle,	particle, peak, crest,	plotting compass, field	plotting compass, field	
					peak, crest, trough,	trough, wavelength,	strength, iron filings	strength, iron filings	
					wavelength, frequency,	frequency, amplitude,			
					amplitude, lambda,	lambda, hertz, period of			
					hertz, period of wave.	wave.			
Common					Understanding the	Understanding the	Flux lines come out of	Flux lines come out of	Flux lines come out of north
Misconceptions					difference between a	difference between a	north and into south.	north and into south.	and into south.
					longitudinal and	longitudinal and			
					transverse wave – via learning the defs.	transverse wave – via learning the defs.			
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
HOHIEWUIK	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	•	to ability of group		•	,	to ability of group.	•	•	ability of group.
Assessment this	group Unit 2 Test/Mock	Unit 2 Test/Mock	group. Unit 3 Test/Mock	group. Unit 3 Test/Mock	group.	Paper 2 Bespoke Mock	group. Paper 2 Bespoke Mock	group. Paper 2 Bespoke Mock	Danor 2 Posnoko Mask
half-term	OTHE Z TEST/INDCK	OTHE Z TEST/INIOCK	OTHE STREST/WOCK	OTHE STEST/WOCK	Paper 2 Bespoke Mock	Exam	Exam	Exam	Paper 2 Bespoke Mock Exam
	LIFE CKILL C. Dariliana	LIFE CVILLE, Dag!!:	LIFE CIVIL C. Darillana	LIFE CIVIL C. Darillana	Exam	LIFE SKILLS: Playing both	LIFE SKILLS: 3-	LIFE SKILLS: 3-	LIFE SKILLS: 3-dimensional
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Playing both stringed and wind	stringed and wind musical	dimensional thinking and	dimensional thinking and	thinking and problem
opportunities					musical instruments.	instruments.	unnensional unitiking and	unnensional unnking allu	solving. Use of compass
		l	1	1	musicai mstruments.	mstruments.	l .	l .	Solving. Use of compass

Employment Links	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT:	EMPLOYMENT: Musician,	problem solving. Use of compass	problem solving. Use of compass	EMPLOYMENT: Potential field geophysicist		
					Musician, Geophysicist, fibre optical designer.	Geophysicist, fibre optical designer.	EMPLOYMENT: Potential field geophysicist	EMPLOYMENT: Potential field geophysicist			
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high		
Skills	Literacy	Literacy	Literacy	Literacy	<u>Literacy</u>	Literacy	<u>Literacy</u>	<u>Literacy</u>	<u>Literacy</u>		
	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity		
	Numeracy Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy	Numeracy Numeracy	Numeracy	Numeracy Page 1981	Numeracy Numeracy	Numeracy Property of the Numeracy Property of		
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership		
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence		
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening		
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication		
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting		
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork		
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving		
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive		
IT Skills	IT2; Kerboodle/Everlearner homework										

Spring 2	Year 10 Physics	Year 10 Physics	Year 10 Combined Higher (X2, X3)	Year 10 Combined Foundation (X4, X5)	Year 11 Physics	Year 11 Physics	Year 11 Combined Higher (X2, X3)	Year 11 Combined Higher (X2, X3)	Year 11 Combined Foundation (X4, X5)
Week 23 (w/b 27 th Feb)	Lesson 1: Exemplars Lesson 2: 4.3.3.1 Particle motion in gases	Lesson 1: Feedback	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: 4.6.3.2 Perfect black bodies and radiation Lesson 2: Revise units 5 & 6 for mock exam	Lesson 1: Exam Questions	Lesson 1: Exemplars Lesson 2: Re-test	Lesson 1: Scientific Literacy	Lesson 1: Revise Unit 6 (inc. RPs) Lesson 2: Revise Unit 6 (inc. RPs) Lesson 3: Revise Unit 6 (inc. RPs)
Key Words Level 2 Level 3	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.			Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.	Identify, describe, explain Transverse wave, longitudinal wave, compression, rarefaction, progression, displacement, particle, peak, crest, trough, wavelength, frequency, amplitude, lambda, hertz, period of wave.			
Common Misconceptions	TE is not the same as temperature	TE is not the same as temperature			Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 4 Test	Unit 4 Test	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with-	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/ca reers-physics/your- future-with-	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with-	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with-	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT:	LIFE SKILLS: Playing both stringed and wind musical instruments. EMPLOYMENT: Musician,	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist
	physics/career- paths/section-leader	physics/career- paths/section-leader	physics/career- paths/section-leader	physics/career- paths/section-leader	Musician, Geophysicist, fibre optical designer.	Geophysicist, fibre optical designer.			
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy

	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills	Staying positive	Staying positive	Staying positive		Kerboodle/Everlearner ho		ota jing positive	ota jiiig positive	oca jiiig posicive
TT SKIIIS				112.1	Rerboodie/Everieumer ne	I			
Week 24	Lesson 1: 4.3.3.2	Lesson 1: Scientific	Lesson 1: 6.4.1.1 The	Lesson 1: 6.4.1.1 The	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam
(w/b 6 th Mar)	Pressure in gases	Literacy/Exam	structure of an atom	structure of an atom	Lesson 2: Mock Exam	EC33011 1. WIOCK EXCIT	Lesson 2: Mock Exam	Lesson 1. Wook Exam	Lesson 2: Mock Exam
(W/DO IVIAI)	Lesson 2: 4.3.3.3	Questions	Lesson 2: 6.4.1.2 Mass	Lesson 2: 6.4.1.2 Mass	Lesson 2. Mock Exam		Lesson 2. Wock Exam		Lesson 3: Mock Exam
		Questions							Lesson 5. Wock Exam
	Increasing the		number, atomic	number, atomic					
	pressure of a gas		number and isotopes	number and isotopes					
Key Words	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far
Level 2	<mark>explain</mark>	<mark>explain</mark>	<mark>explain</mark>	<mark>explain</mark>					
Level 3	Conduction, convection	Conduction, convection	Proton, nucleus,	Proton, nucleus,					
	Infra-Red radiation,	Infra-Red radiation,	neutron, electron,	neutron, electron,					
	dissipation, thermal	dissipation, thermal	positive, negative,	positive, negative,					
	conductivity, emit,	conductivity, emit, absorb.	atomic number, atomic	atomic number, atomic					
	absorb.		mass, isotope, plum	mass, isotope, plum					
			pudding, Faraday	pudding, Faraday					
Common	TE is not the same as	TE is not the same as	Learn definition of half-	Learn definition of half-	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far
Misconceptions	temperature	temperature	life using mass from	life using mass from					
			NHTW grids	NHTW grids					
			Definition of isotope	Definition of isotope					
	12 1 11 1		from NHTW grids	from NHTW grids	14 1 11 1		14 1 11 1	14 L II . I	W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	group		group.	group.	group.		group.	group.	
Assessment this	Unit 3 Test	Unit 3 Test	Unit 4 Test	Unit 4 Test	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2
half-term									
Career	LIFE SKILLS: Knowing	LIFE SKILLS: Resilience	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
opportunities	how much pressure a	EMPLOYMENT:	Understanding the	Understanding the	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
Employment	system can take	https://www.iop.org/ca	structure of the atom	structure of the atom	Research Scientist	Research Scientist	Research Scientist	Research Scientist	Scientist
Links	EMPLOYMENT:	reers-physics/your-	EMPLOYMENT:	EMPLOYMENT:					
	https://www.iop.org/c	future-with-	https://www.iop.org/c	https://www.iop.org/c					
	areers-physics/your-	physics/career-	areers-physics/your-	areers-physics/your-					
	future-with-	paths/section-leader	future-with-	future-with-					
	physics/career-	patria/ acction icauci	physics/career-	physics/career-					
	paths/section-leader		paths/section-leader	paths/section-leader					
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Employability Skills	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy
JKIIIS	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills					Kerboodle/Everlearner ho				

Week 25 (w/b 13 th Mar)	Lesson 1: Test Lesson 2: Feedback	Lesson 1: Exemplars	Lesson 1: 6.4.1.3 The development of the model of the atom Lesson 2: 6.4.2.1 Radioactive decay and nuclear radiation	Lesson 1: 6.4.1.3 The development of the model of the atom Lesson 2: 6.4.2.1 Radioactive decay and nuclear radiation	Lesson 1: Mock Exam Lesson 2: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam Lesson 2: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam Lesson 2: Mock Exam Lesson 3: Mock Exam
Key Words Level 2 Level 3	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.	Identify, describe, explain Conduction, convection Infra-Red radiation, dissipation, thermal conductivity, emit, absorb.	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	All taught so far				
Common Misconceptions	TE is not the same as temperature	TE is not the same as temperature	Learn definition of half life using mass from NHTW grids Definition of isotope from NHTW grids	Learn definition of half life using mass from NHTW grids Definition of isotope from NHTW grids	All taught so far				
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 4 Test	Unit 4 Test	Mock Exam 1 & 2				
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/section-leader	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/ca reers-physics/your- future-with- physics/career- paths/section-leader	LIFE SKILLS: Understanding nuclear radiation EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/section-leader	LIFE SKILLS: Understanding nuclear radiation EMPLOYMENT: https://www.iop.org/careers-physics/your-future-with-physics/career-paths/section-leader	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills				IT2: I	Kerboodle/Everlearner ho l	mework 			
Week 26 (w/b 20 th Mar)	Lesson 1: Re-test Lesson 2: 4.4.1.1 The structure of an atom	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: 6.4.2.2 Nuclear equations Lesson 2: 6.4.2.3 Half- lives and the random nature of radioactive decay	Lesson 1: 6.4.2.2 Nuclear equations Lesson 2: 6.4.2.3 Half- lives and the random nature of radioactive decay	Lesson 1: Exemplars Lesson 2: 4.7.1.1 Poles of a magnet/4.7.1.2 Magnetic fields	Lesson 1: Feedback	Lesson 1: Exemplars Lesson 2: Revise Unit 1 (inc. RPs)	Lesson 1: Feedback	Lesson 1: Exemplars Lesson 2: Feedback Lesson 3: Revise Unit 1 (inc. RPs)
Key Words Level 2 Level 3	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative,	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number,	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative,	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative,	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet,	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet,	All taught so far	All taught so far	All taught so far

	atomic number, atomic	atomic mass, isotope,	atomic number, atomic	atomic number, atomic	lodestone, dipole,	lodestone, dipole, plotting			
	mass, isotope, plum pudding, Faraday	plum pudding, Faraday	mass, isotope, plum pudding, Faraday	mass, isotope, plum pudding, Faraday	plotting compass, field strength, iron filings	compass, field strength, iron filings			
Common	Learn definition of half	Learn definition of half life	Learn definition of half	Learn definition of half	Understanding the	Understanding the	All taught so far	All taught so far	All taught so far
Misconceptions	life using mass from	using mass from NHTW	life using mass from	life using mass from	difference between a	difference between a			
	NHTW grids	grids	NHTW grids	NHTW grids	longitudinal and	longitudinal and			
	Definition of isotope from NHTW grids	Definition of isotope from NHTW grids	Definition of isotope from NHTW grids	Definition of isotope from NHTW grids	transverse wave – via learning the defs.	transverse wave – via learning the defs.			
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
Homework	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	group	to ability of group	group.	group.	group.	to ability of group.	group.	group.	ability of group.
Assessment this	Unit 3 Test	Unit 3 Test	Unit 4 Test	Unit 4 Test	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2	Mock Exam 1 & 2
half-term	Offic 3 Test	Offic 5 Test	Offic 4 Test	Offic 4 Test	WIOCK EXAMIT I & Z	WIOCK EXAMIT I & Z	WIOCK EXAMIT 1 & 2	WOCK EXAMIT 1 & 2	WOCK Exam 1 & 2
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: 3-	LIFE SKILLS: 3-dimensional	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
opportunities	EMPLOYMENT:	EMPLOYMENT:	Understanding half life	Understanding half life	dimensional thinking and	thinking and problem	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
Employment	https://www.iop.org/c	https://www.iop.org/ca	EMPLOYMENT:	EMPLOYMENT:	problem solving. Use of	solving. Use of compass	Research Scientist	Research Scientist	Scientist
Links	areers-physics/your-	reers-physics/your-	https://www.iop.org/c	https://www.iop.org/c	compass	EMPLOYMENT: Potential	Nesearch scientist	Research scientist	Scientist
LIIIKS	future-with-	future-with-	areers-physics/your-	areers-physics/your-	EMPLOYMENT: Potential	field geophysicist			
	physics/career-	physics/career-	future-with-	future-with-	field geophysicist				
	paths/section-leader	paths/section-leader	physics/career-	physics/career-					
	<u>patris/section-leader</u>	patris/section-leader	paths/section-leader	paths/section-leader					
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy
SKIIIS	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
IT Skills	Staying positive	Staying positive	Staying positive	Staying positive	<mark>Staying positive</mark> Kerboodle/Everlearner ho	Staying positive	Staying positive	Staying positive	Staying positive
TI SKIIIS				112.	Rerboodie/Everleariiei iio	illework			
Week 27	Lesson 1: 4.4.1.2 Mass	Lesson 1: Scientific	Lesson 1: 6.4.2.4	Lesson 1: 6.4.2.4	Lesson 1: 4.7.2.1	Lesson 1: Exam	Lesson 1: Revise Unit 1	Lesson 1: Scientific	Lesson 1: Revise Unit 1
(w/b 27 th Mar)	number, atomic	Literacy/Exam	Radioactive	Radioactive	Electromagnetism	Questions	(inc. RPs)	Literacy	(inc. RPs)
	number and isotopes	Questions	contamination	contamination	Lesson 2: 4.7.2.2		Lesson 2: Revise Unit 1	,	Lesson 2: Revise Unit 1
	Lesson 2: 4.4.1.3 The		Lesson 2: Test	Lesson 2: Test	Fleming's left-hand		(inc. RPs)		(inc. RPs)
	development of the				rule		,		Lesson 3: Revise Unit 1
	model of the atom								(inc. RPs)
Key Words	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	Identify, describe,	All taught so far	All taught so far	All taught so far
Level 2	explain	explain	explain	explain	explain	explain			
Level 3	Proton, nucleus,	Proton, nucleus, neutron,	Proton, nucleus,	Proton, nucleus,	Pole, field lines, force	Pole, field lines, force			
	neutron, electron,	electron, positive,	neutron, electron,	neutron, electron,	lines, flux lines, neutral	lines, flux lines, neutral			
	positive, negative,	negative, atomic number,	positive, negative,	positive, negative,	point, test magnet,	point, test magnet,			
	atomic number, atomic	atomic mass, isotope,	atomic number, atomic	atomic number, atomic	lodestone, dipole,	lodestone, dipole, plotting			
	mass, isotope, plum	plum pudding, Faraday	mass, isotope, plum	mass, isotope, plum	plotting compass, field	compass, field strength,			
	pudding, Faraday		pudding, Faraday	pudding, Faraday	strength, iron filings	iron filings			
Common	Learn definition of half-	Learn definition of half-life	Learn definition of half-	Learn definition of half-	Understanding the	Understanding the	All taught so far	All taught so far	All taught so far
Misconceptions	life using mass from	using mass from NHTW	life using mass from	life using mass from	difference between a	difference between a			
	NHTW grids	grids	NHTW grids	NHTW grids	longitudinal and	longitudinal and			
l l	Definition of isotope	Definition of isotope from NHTW grids	Definition of isotope from NHTW grids	Definition of isotope from NHTW grids	transverse wave – via	transverse wave – via learning the defs.			
	I trom NHTW gride		I HOHENTEN KINDS	HOIH NETT VV BLIGS	learning the defs.		Kerboodle task	I/ l II I	
Homowerk	from NHTW grids			Karbaadla taal	Karbaadla taal				I Vorboodio took outsite in the
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable		Kerboodle task	Kerboodle task suitable to
Homework	Kerboodle task suitable to ability of		Kerboodle task suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	Rerboodle task suitable to ability of group.
	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	suitable to ability of group.	suitable to ability of group.	to ability of group.	suitable to ability of group.	suitable to ability of group.	ability of group.
Homework Assessment this half-term	Kerboodle task suitable to ability of	Kerboodle task suitable	Kerboodle task suitable to ability of	suitable to ability of	suitable to ability of		suitable to ability of	suitable to ability of	

Career	LIFE SKILLS:	LIFE SKILLS: Resilience	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: 3-	LIFE SKILLS: 3-dimensional	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
opportunities	Understanding the	EMPLOYMENT:	Understanding how	Understanding how	dimensional thinking and	thinking and problem	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
			_	ŭ	problem solving. Use of	solving. Use of compass			
Employment	history of the atom	https://www.iop.org/ca	contamination affects	radiation affects lives	compass	EMPLOYMENT: Potential	Research Scientist	Research Scientist	Scientist
Links	EMPLOYMENT:	reers-physics/your-	lives	EMPLOYMENT:	EMPLOYMENT: Potential	field geophysicist			
	https://www.iop.org/c	<u>future-with-</u>	EMPLOYMENT:	https://www.iop.org/c	field geophysicist	Heid geophysicist			
	areers-physics/your-	physics/career-	https://www.iop.org/c	areers-physics/your-	Held geophysicist				
	<u>future-with-</u>	paths/section-leader	areers-physics/your-	future-with-					
	physics/career-		<u>future-with-</u>	physics/career-					
	paths/section-leader		physics/career-	paths/section-leader					
			paths/section-leader						
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	<mark>Aiming high</mark>	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	<mark>Literacy</mark>	<mark>Literacy</mark>	<mark>Literacy</mark>	<mark>Literacy</mark>	<mark>Literacy</mark>
	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy Page 1975	Numeracy Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills				IT2: H	Kerboodle/Everlearner ho	mework			

Summer 1	Year 10 Physics	Year 10 Physics	Year 10 Combined Higher (X2, X3)	Year 10 Combined Foundation (X4, X5)	Year 11 Physics	Year 11 Physics	Year 11 Combined Higher (X2, X3)	Year 11 Combined Higher (X2, X3)	Year 11 Combined Foundation (X4, X5)
Week 28 (w/b 17 th Apr)	Lesson 1: 4.4.2.1 Radioactive decay and nuclear radiation Lesson 2: 4.4.2.2 Nuclear equations	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: 4.7.2.3 Electric motors/4.7.2.4 Loudspeakers Lesson 2: 4.7.3.1 Induced potential/4.7.3.2 Uses of the generator effect/4.7.3.3 Microphones	Lesson 1: Exam Questions	Lesson 1: Revise Unit 2 (inc. RPs) Lesson 2: Revise Unit 2 (inc. RPs)	Lesson 1:	Lesson 1: Revise Unit 2 (inc. RPs) Lesson 2: Revise Unit 2 (inc. RPs) Lesson 3: Revise Unit 2 (inc. RPs)
Key Words Level 2 Level 3	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	All taught so far	All taught so far	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet, lodestone, dipole, plotting compass, field strength, iron filings	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet, lodestone, dipole, plotting compass, field strength, iron filings	All taught so far	All taught so far	All taught so far
Common Misconceptions	Learn definition of half life using mass from NHTW grids Definition of isotope from NHTW grids	Learn definition of half life using mass from NHTW grids Definition of isotope from NHTW grids	All taught so far	All taught so far	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	Understanding the difference between a longitudinal and transverse wave – via learning the defs.	All taught so far	All taught so far	All taught so far
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 4 Test	Unit 4 Test	Unit 5 Test	Unit 5 Test	Unit 7 Test	Unit 7 Test	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development

Соноон	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: 3-	LIFE SKILLS: 3-dimensional	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
Career					dimensional thinking and	thinking and problem			
opportunities	Understanding risk	communication	Continuous	Continuous	problem solving. Use of	solving. Use of compass	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
Employment	EMPLOYMENT:	EMPLOYMENT:	improvement	improvement	compass	EMPLOYMENT: Potential	Research Scientist	Research Scientist	Scientist
Links	https://www.iop.org/c	https://www.iop.org/ca	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Potential	field geophysicist			
	areers-physics/your-	reers-physics/your-	https://www.iop.org/c	https://www.iop.org/c	field geophysicist				
	<u>future-with-</u>	future-with-	areers-physics/your-	areers-physics/your-					
	physics/career-	physics/career-	<u>future-with-</u>	<u>future-with-</u>					
	paths/section-leader	paths/section-leader	physics/career-	physics/career-					
			paths/section-leader	paths/section-leader					
Employability	Aiming high	Aiming high	Aiming high	Aiming high	<mark>Aiming high</mark>	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	<u>Literacy</u>	<mark>Literacy</mark>	<mark>Literacy</mark>	<mark>Literacy</mark>	<mark>Literacy</mark>
	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy Numeracy	Numeracy Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
.=. cl :!!	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills				112:1	Kerboodle/Everlearner ho	mework			
		1 0 1 15							
Week 29	Lesson 1: 4.4.2.3 Half-	Lesson 1: Scientific	Lesson 1: Re-test	Lesson 1: Re-test	Lesson 1: 4.7.3.4	Lesson 1: Exam	Lesson 1: Revise Unit 3	Lesson 1:	Lesson 1: Revise Unit 3
(w/b 24 th Apr)	lives and the random	Literacy/Exam	Lesson 2: Revise Unit 1	Lesson 2: Revise Unit 1	Transformers	Questions	(inc. RPs)		(inc. RPs)
	nature of radioactive	Questions			Lesson 2: 4.7.3.4		Lesson 2: Revise Unit 3		Lesson 2: Revise Unit 3
	decay				Transformers		(inc. RPs)		(inc. RPs)
	Lesson 2: 4.4.2.4				(calculations)				Lesson 3: Revise Unit 3
	Radioactive								(inc. RPs)
	contamination								
Key Words	Identify, describe,	Identify, describe,	All taught so far	All taught so far	Identify, describe,	Identify, describe,	All taught so far	All taught so far	All taught so far
Level 2	explain	explain			explain	explain			
Level 3	Proton, nucleus,	Proton, nucleus, neutron,			Pole, field lines, force	Pole, field lines, force			
	neutron, electron,	electron, positive,			lines, flux lines, neutral	lines, flux lines, neutral			
	positive, negative,	negative, atomic number,			point, test magnet,	point, test magnet,			
	atomic number, atomic	atomic mass, isotope,			lodestone, dipole,	lodestone, dipole, plotting			
	mass, isotope, plum	plum pudding, Faraday			plotting compass, field	compass, field strength,			
	pudding, Faraday				strength, iron filings	iron filings			
Common	Learn definition of half	Learn definition of half life	All taught so far	All taught so far	Understanding the	Understanding the	All taught so far	All taught so far	All taught so far
Misconceptions	life using mass from	using mass from NHTW			difference between a	difference between a			
	NHTW grids	grids			longitudinal and	longitudinal and			
	Definition of isotope	Definition of isotope from			transverse wave – via	transverse wave – via			
	from NHTW grids	NHTW grids			learning the defs.	learning the defs.			
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	group		group.	group.	group.		group.	group.	
Assessment this	Unit 4 Test	Unit 4 Test	Unit 5 Test	Unit 5 Test	Unit 7 Test	Unit 7 Test	Targeted exam	Targeted exam	Targeted exam questions,
half-term							questions, based on	questions, based on	based on teacher
							teacher assessment of	teacher assessment of	assessment of areas for
							areas for development	areas for development	development
Career	LIFE SKILLS:	LIFE SKILLS:	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: 3-	LIFE SKILLS: 3-dimensional	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
opportunities	Understanding risk	Communication	EMPLOYMENT:	EMPLOYMENT:	dimensional thinking and	thinking and problem	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
Employment	EMPLOYMENT:	EMPLOYMENT:	Research scientist	Research scientist	problem solving. Use of	solving. Use of compass	Research Scientist	Research Scientist	Scientist
Links	https://www.iop.org/c	https://www.iop.org/ca			compass	EMPLOYMENT: Potential			
	areers-physics/your-	reers-physics/your-			EMPLOYMENT: Potential	field geophysicist			
	future-with-	future-with-			field geophysicist				
	physics/career-	physics/career-							
	paths/section-leader	paths/section-leader							

Salis Libroroy Libroray Libroray Creativity C	ming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Employability
Creatively Numeracy Londership Communication Communication Presenting Present										
Nomeracy Leaderining Leaderini	•			•		•	1	1	T	SKIIIS
Leaderhip Independence Lidering Leaderhip Independence Lidering Li	-				I -	•	1	-		
Independence listering listering Communication Personning Presenting Present	•					· · · · · · · · · · · · · · · · · · ·	1 · · · · · · · · · · · · · · · · · · ·	•		
Listening Communication Presenting Pre	dependence	•	•	·	-	•	•	•	-	
Communication Presenting Presenting Tearmort P	•			1 · · · · · · · · · · · · · · · · · · ·	I	•	1		•	
Transverk Frothern sorbing Stayns plantive Sta	mmunication					_	1	_	_	
Problem solving Stayring positive Stayring posit	esenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	
Saying positive Saying pos	amwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	
Text Common Co	<mark>oblem solving</mark>	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	
Lesson 1: Ad.3 Lesson 1: Scientific Lesson 1: Revise Unit 1 Lesson 1: Revise Unit 4 Le	aying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	
Liferacy/Exam Lesson 2: Revise Unit 1 Lesson 2: Revise Unit 1 Lesson 2: Exemplars Questions				mework	Kerboodle/Everlearner ho	IT2: I				IT Skills
Lesson 2: Revise Unit 1 Lesson 2: Exemplars Lesson 2: Exemplars Questions Lesson 2: Revise Unit 1 Lesson 2: Exemplars Questions Lesson 2: Lesson										
All taught so far Lesson 2 - Ad - A - A - A - A - A - A - A - A -	sson 1: Revise Unit 4	Lesson 1:	Lesson 1: Revise Unit 4							
and of background radiation Lesson 2: 4.4.4.1 Nuclear fission Lesson 2: 4.4.4.2 Nuclear fission Lesson 3: 4.4.4.1 Nuclear fission Lesson 4: 4.4.2 Nuclear fission Lesson 4: 4.4.4 Nuclear fission Lesson 5: 4.4.4 Nuclear fission Lesson 6: 4.4.4 Nuclear fission Nuclear fission Lesson 6: 4.4.4 Nuclear fission Nuclear fission Nuclear fission Nuclear fision Nuclear fission Nuclear fision Nuclear fission Nuclear fissio	ıc. RPs)		(inc. RPs)	Questions	Lesson 2: Exemplars	Lesson 2: Revise Unit 1	Lesson 2: Revise Unit 1	Literacy/Exam	Hazards and uses of	(w/b Tue 2 nd
Tradition Lesson 2 (4.4.4 Nuclear fission/4.4.4.2 Nuclear fusion All taught so far Lesson 3 (inc. RPS	sson 2: Revise Unit 4		Lesson 2: Revise Unit 4					Questions	radioactive emissions	May)
Lesson 2: 44.4.1 Nuclear fission / 4.4.2	ıc. RPs)		(inc. RPs)						and of background	
Nuclear fission/4.4.2 Nuclear fission/4.4.2 Nuclear fission of Author	sson 3: Revise Unit 4								radiation	
Nuclear fission/4.4.2. Nuclear fission/4.4.4.2. Nuclear fission/4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	ıc. RPs)								Lesson 2: 4.4.4.1	
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Explain Proton, judiciss, neutron, electron, publiciss, neutron, electron, positive, and positive, regarding active, storage in the proton, publiciss, neutron, electron, positive, group, electron, positive, group, early active and many storage, plan in the proton many, sorage, plan in many storage, plan	l taught so far	All taught so far	All taught so far	Identify, describe	Identify, describe	All taught so far	All taught so far	Identify, describe		Key Words
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Common Misconceptions Learn definition of half life using mass from NHTW grids Definition of isotope from NHTW grids Definition of isotope from NHTW grids Suitable to ability of group Unit 4 Test Unit 5 Test Unit 5 Test Unit 7 Test Unit 8 Search Scientist EMPLOYMENT: https://www.iop.org/ca/reers-physics/voure-future-with-physics/career-paths/section-leader paths/section-leader paths				the state of the s						Level 5
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Misconceptions life using mass from NHTW grids Definition of isotope from NHTW grids Definition of isotope from NHTW grids Definition of isotope from NHTW grids N										
NHTW grids Definition of isotope from NHTW grids Homework Kerboodle task suitable to ability of group Assessment this half-term Life SkillLS: Career opportunities Employment Links Life SkillLS: Life SkillS: Lif	l taught so far	All taught so far	All taught so far	Understanding the	Understanding the	All taught so far	All taught so far	Learn definition of half life	Learn definition of half	Common
Definition of isotope from NHTW grids				difference between a	difference between a			using mass from NHTW	life using mass from	Misconceptions
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Homework Kerboodle task suitable to ability of group Assessment this half-term Unit 4 Test Unit 4 Test Unit 5 Test Unit 5 Test Unit 5 Test Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 7 Test Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 8 Kerboodle task suitable to ability of group. Unit 7 Test Unit 7 Test Unit 8 Kerboodle task suitable to ability of ability of ability of a					transverse wave – via			Definition of isotope from	•	
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Assessment this half-term Career opportunities Employment Links L	erboodle task suitable				Kerboodle task			Kerboodle task suitable		Homework
Assessment this half-term Career Opportunities Employment Links Employment Links https://www.iop.org/careers-physics/your-future-with-physics/career-paths/section-leader Date of the physics/career-paths/section-leader Date of the physics/career-paths/section-leader Date of the physics/career-paths/section-leader Dunit 4 Test Unit 5 Test Unit 5 Test Unit 5 Test Unit 7 Test Unit 6 Test Unit 7 Test Unit 6 Test Unit 7 Test Unit 6 Test Unit 6 Test Unit 6 Test Unit 6 Test Unit 6 Test Unit 7 Test Unit 6 Test Unit 6 Test Unit	oility of group.	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group	suitable to ability of	
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Career opportunities Employment Links LIFE SKILLS: Understanding risk Employment Links LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist LIFE SKILLS: 3-dimensional thinking and problem solving. Use of compass EMPLOYMENT: Research Scientist Mesearch Scientist LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist EMPLOYMENT: Potential field geophysicist Matter assessment of areas for development development development development areas for development development areas for development development development areas for development development development development development areas for development develo	irgeted exam questio	Targeted exam	Targeted exam	Unit 7 Test	Unit 7 Test	Unit 5 Test	Unit 5 Test	Unit 4 Test	Unit 4 Test	Assessment this
Career opportunities Employment Links Links	ised on teacher	questions, based on	questions, based on							half-term
Career opportunities Employment Links Links	sessment of areas fo	teacher assessment of	teacher assessment of							
Career opportunities	evelopment									
Opportunities Employment LinksUnderstanding risk EMPLOYMENT: https://www.iop.org/c areers-physics/career- paths/section-leaderCommunication EMPLOYMENT: https://www.iop.org/ca reers-physics/career- paths/section-leaderEMPLOYMENT: EMPLOYMENT: HTMPLOYMENT: EMPLOYMENT: Research ScientistEMPLOYMENT: Research ScientistEMPLOYMENT: Research ScientistEMPLOYMENT: Research ScientistEMPLOYMENT: Research Scientist	FE SKILLS: Resilience	•	·	LIFE SKILLS: 3-dimensional	LIFE SKILLS: 3-	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS:	LIFE SKILLS:	Career
Employment Links EMPLOYMENT: https://www.iop.org/caareers-physics/your-future-with-physics/career-paths/section-leader EMPLOYMENT: BEMPLOYMENT: Acsearch Scientist Research Scientist Research Scientist Problem solving. Use of compass EMPLOYMENT: Potential field geophysicist Scientist FMPLOYMENT: Potential field geophysicist FMPLOYME	MPLOYMENT: Resear									
Links https://www.iop.org/c areers-physics/your-future-with-physics/career-paths/section-leader https://www.iop.org/ca reers-physics/your-future-with-physics/career-paths/section-leader https://www.iop.org/ca reers-physics/your-future-with-physics/career-paths/section-leader https://www.iop.org/ca reers-physics/your-future-with-physics/career-paths/section-leader https://www.iop.org/ca reers-physics/your-field geophysicist field geophysicist field geophysicist					_				_	• •
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	ming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	-		Employability
Skills Literacy				The state of the s						
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Listening	-		I			-		T	-	
	ommunication					_	1	_	_	
Presenting										

	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
T Skills	Staying positive	Staying positive	Staying positive		Kerboodle/Everlearner ho		Staying positive	Staying positive	Staying positive
Week 31 (w/b 8 th May)	Lesson 1: 4.4.4.1 Nuclear fission/4.4.4.2 Nuclear fusion Lesson 2: Test	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Revise Unit 2 Lesson 2: Revise Unit 1	Lesson 1: Revise Unit 2 Lesson 2: Revise Unit 2	Lesson 1: Re-test Lesson 2: 4.8.1.1 Our solar system/4.8.1.3 Orbital motion, natural and artificial satellites	Lesson 1: Feedback	Lesson 1: Revise Unit 5 (inc. RPs) Lesson 2: Revise Unit 5 (inc. RPs)	Lesson 1:	Lesson 1: Revise Unit 5 (inc. RPs) Lesson 2: Revise Unit 5 (inc. RPs) Lesson 3: Revise Unit 5 (inc. RPs)
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	All taught so far	All taught so far	Identify, describe, explain Planetary Nebula, protostar, supernova, White Dwarf, Red Super Giant	Identify, describe, explain Pole, field lines, force lines, flux lines, neutral point, test magnet, lodestone, dipole, plotting compass, field strength, iron filings	All taught so far	All taught so far	All taught so far
Common Misconceptions	Learn definition of half- life using mass from NHTW grids Definition of isotope from NHTW grids	Learn definition of half-life using mass from NHTW grids Definition of isotope from NHTW grids	All taught so far	All taught so far	Our sun is no different to any other star	Our sun is no different to any other star	All taught so far	All taught so far	All taught so far
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.			
Assessment this half-term	Unit 4 Test	Unit 4 Test	Unit 5 Test	Unit 5 Test	Unit 7 Test	Unit 7 Test	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development
Career opportunities Employment Links	LIFE SKILLS: Understanding risk EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/section-leader	LIFE SKILLS: Communication EMPLOYMENT: https://www.iop.org/ca reers-physics/your- future-with- physics/career- paths/section-leader	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Literacy. Understanding of our place in the universe EMPLOYMENT: Astronomer	LIFE SKILLS: Literacy. Understanding of our place in the universe EMPLOYMENT: Astronomer	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
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T Skills				IT2: H	Kerboodle/Everlearner ho	mework			

Week 32 (w/b 15 th May)	Lesson 1: Exemplars Lesson 2: Re-test	Lesson 1: Feedback	Lesson 1: Revise Unit 3 Lesson 2: Revise Unit 3	Lesson 1: Revise Unit 3 Lesson 2: Revise Unit 3	Lesson 1: 4.8.1.2 The life cycle of a star Lesson 2: 4.8.2 Red- shift	Lesson 1: Exam Questions	Lesson 1: Revise Unit 6 (inc. RPs) Lesson 2: Revise Unit 6 (inc. RPs)	Lesson 1:	Lesson 1: Revise Unit 6 (inc. RPs) Lesson 2: Revise Unit 6 (inc. RPs) Lesson 3: Revise Unit 6 (inc. RPs)
Key Words Level 2 Level 3	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	Identify, describe, explain Proton, nucleus, neutron, electron, positive, negative, atomic number, atomic mass, isotope, plum pudding, Faraday	All taught so far	All taught so far	Identify, describe, explain Planetary Nebula, protostar, supernova, White Dwarf, Red Super Giant	Identify, describe, explain Planetary Nebula, protostar, supernova, White Dwarf, Red Super Giant	All taught so far	All taught so far	All taught so far
Common Misconceptions	Learn definition of half life using mass from NHTW grids Definition of isotope from NHTW grids	Learn definition of half life using mass from NHTW grids Definition of isotope from NHTW grids	All taught so far	All taught so far	Our Sun is just another star.	Our Sun is just another star.	All taught so far	All taught so far	All taught so far
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 4 Test	Unit 4 Test	Unit 5 Test	Unit 5 Test	Unit 7 Test	Unit 7 Test	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development
Career	LIFE SKILLS:	LIFE SKILLS: Continuous	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Literacy.	LIFE SKILLS: Literacy.	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
opportunities	Continuous	improvement	EMPLOYMENT:	EMPLOYMENT:	Understanding of our	Understanding of our place in the universe	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
Employment	improvement	EMPLOYMENT:	Research Scientist	Research Scientist	place in the universe EMPLOYMENT:	EMPLOYMENT:	Research Scientist	Research Scientist	Scientist
Links	EMPLOYMENT: https://www.iop.org/c areers-physics/your- future-with- physics/career- paths/section-leader	https://www.iop.org/ca reers-physics/your- future-with- physics/career- paths/section-leader			Astronomer	Astronomer			
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	Literacy Creativity	Literacy Creativity	Literacy Creativity	Literacy Creativity	Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting	Communication Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
IT Skills	Staying positive	Staying positive	Staying positive	Staying positive	<mark>Staying positive</mark> Kerboodle/Everlearner ho	Staying positive	Staying positive	Staying positive	Staying positive
11 Julio				112.1	Construction of the state of th	JIIIEWUIK			
Week 33	Lesson 1: Revise Unit 1	Lesson 1: Scientific	Lesson 1: Revise Unit 4	Lesson 1: Revise Unit 4	Lesson 1: Revision	Lesson 1: Exam	Lesson 1: Revise Unit 7	Lesson 1:	Lesson 1: Revise Unit 7
(w/b 22 nd May)	Lesson 2: Revise Unit 1	Literacy/Exam Questions	Lesson 2: Revise Unit 4	Lesson 2: Revise Unit 4	Lesson 2: Revision	Questions	(inc. RPs) Lesson 2: Revise Unit 7 (inc. RPs)		(inc. RPs) Lesson 2: Revise Unit 7 (inc. RPs) Lesson 3: Revise Unit 7 (inc. RPs)
Key Words Level 2 Level 3	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far

Common Misconceptions	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far				
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	group		group.	group.	group.		group.	group.	
Assessment this	Unit 4 Test	Unit 4 Test	Unit 5 Test	Unit 5 Test	Unit 7 Test	Unit 7 Test	Targeted exam	Targeted exam	Targeted exam questions,
half-term							questions, based on	questions, based on	based on teacher
							teacher assessment of	teacher assessment of	assessment of areas for
							areas for development	areas for development	development
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience				
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
Employment	Research Scientist	Research Scientist	Research Scientist	Research Scientist	Scientist				
Links									
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high				
Skills	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy Literacy
	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving				
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive				
IT Skills				IT2:	Kerboodle/Everlearner ho	mework			

Summer 2	Year 10 Physics	Year 10 Physics	Year 10 Combined Higher (X2, X3)	Year 10 Combined Foundation (X4, X5)	Year 11 Physics	Year 11 Physics	Year 11 Combined Higher (X2, X3)	Year 11 Combined Higher (X2, X3)	Year 11 Combined Foundation (X4, X5)
Week 34 (w/b 5 th Jun)	Lesson 1: Revise Unit 2 Lesson 2: Revise Unit 2	Lesson 1: Scientific Literacy/Exam Questions	Lesson 1: Past Paper – Specimen paper 1? Lesson 2: Past Paper – Specimen paper 1?	Lesson 1: Past Paper – Specimen paper 1? Lesson 2: Past Paper – Specimen paper 1?	Lesson 1: Revision Lesson 2: Revision	Lesson 1: Exam Questions	Lesson 1: Revise Unit 7 (inc. RPs) Lesson 2: Revise Unit 7 (inc. RPs)	Lesson 1:	Lesson 1: Revise Unit 7 (inc. RPs) Lesson 2: Revise Unit 7 (inc. RPs) Lesson 3: Revise Unit 7 (inc. RPs)
Key Words Level 2 Level 3	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far
Common Misconceptions	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Paper 1 Mock Exam	Paper 1 Mock Exam	Paper 1 Mock Exam	Paper 1 Mock Exam	Unit 7 Test	Unit 7 Test	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development	Targeted exam questions, based on teacher assessment of areas for development
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research Scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership	Aiming high Literacy Creativity Numeracy Leadership

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	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills	, , ,	, , , , , , , , , , , , , , , , , , , ,	1		Kerboodle/Everlearner Ho				
Week 35	Lesson 1: Revise Unit 3	Lesson 1: Scientific	Lesson 1: Past Paper –	Lesson 1: Past Paper –	Lesson 2: Exam	Lesson 2: Exam	Lesson 2: Exam	Lesson 2: Exam	Lesson 2: Exam Questions
			·	•					Lesson 2. Exam Questions
(w/b 12 th Jun)	Lesson 2: Revise Unit 3	Literacy/Exam	Specimen paper 1	Specimen paper 1	Questions	Questions	Questions	Questions	
		Questions	Lesson 2: Past Paper –	Lesson 2: Past Paper –					
			Specimen paper 1	Specimen paper 1					
Key Words	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far
Level 2									
Level 3									
	All to a late of Con-	All to the transfer of	All to a late of Co.	All to a late of Co.	All to a late of Co.	All to a late of Co.	All to the transfer	All to a late of Con-	All to the second
	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far	All taught so far
Misconceptions									
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task	Kerboodle task suitable to
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of	suitable to ability of	to ability of group.	suitable to ability of	suitable to ability of	ability of group.
	group		group.	group.	group.		group.	group.	
Assessment this	Paper 1 Mock Exam	Paper 1 Mock Exam	Paper 1 Mock Exam	Paper 1 Mock Exam	Past exam question	Past exam question	Past exam question	Past exam question	Past exam question
half-term	Taper I Wook Exam	Taper I Wook Exam	Tuper I Work Exam	Taper I Work Exam	practice	practice	practice	practice	practice
	LIEF CKILL C. Pasilianas	LIEF CKILLS: Positiones	LIFE CKILLE, Decilioned	LIFE CKILLS, Decilioned	'	•	•	'	'
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT: Research
Employment	Research scientist	Research scientist	Research scientist	Research scientist	Research Scientist	Research Scientist	Research Scientist	Research Scientist	Scientist
Links									
Employability	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high	Aiming high
Skills	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	Literacy	<mark>Literacy</mark>	Literacy
	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity	Creativity
	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy	Numeracy Numeracy
	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership	Leadership
	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence	Independence
	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening	Listening
	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting	Presenting
	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork	Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills	Staying positive	otaling positive	ota jiii g positive		Kerboodle/Everlearner Ho		Sta / mg positive	ota jing positive	Staying positive
11 JKIII3				112.		I			
Week 20	Lesson 1. Meet Even	Losson 1. Mode Evens	Locaca 1. Mark Tyons	Leasen 1. Mark Even					
Week 36	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam	Lesson 1: Mock Exam					
(w/b 19 th Jun)	Lesson 2: Mock Exam		Lesson 2: Mock Exam	Lesson 2: Mock Exam					
Key Words	All taught so far	All taught so far	All taught so far	All taught so far					
<mark>Level 2</mark>									
Level 3									
	All taught so far	All taught so far	All taught so far	All taught so far					
Misconceptions	7 th taught 30 rui	/ iii taagiit so iai	7 th taught 30 fai	7 in taught 30 fai					
•	Varhaadla tasl:	Vorboodle task suitable	Karbaadla taali	Varhaadla taal					
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task					
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of					
	group		group.	group.					
Assessment this	Paper 1 Mock Exam	Paper 1 Mock Exam	Paper 1 Mock Exam	Paper 1 Mock Exam					
half-term									
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience					
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:					
Employment	Docoorch colortist								
Employment	Research scientist	Research scientist	Research scientist	Research scientist					
Employment Links	Research scientist	Research scientist	Research scientist	Research scientist					

	I and a second	T	1				
Employability	Aiming high	Aiming high	Aiming high	Aiming high			
Skills	Literacy	Literacy	Literacy	Literacy			
	Creativity	Creativity	Creativity	Creativity			
	Numeracy	Numeracy	Numeracy	Numeracy			
	Leadership	Leadership	Leadership	Leadership			
	•	-	<u> </u>				
	Independence	Independence	Independence	Independence			
	Listening	Listening	Listening	Listening			
	Communication	Communication	Communication	Communication			
	Presenting	Presenting	Presenting	Presenting			
	Teamwork	Teamwork	Teamwork	Teamwork			
	Problem solving	Problem solving	Problem solving	Problem solving			
	Staying positive	Staying positive	Staying positive	Staying positive			
IT Skills		IT2: Kerboodle/Ever	learner Homework				
Week 37	Losson 1. Mosk Evans	Losson 1. Mosk Even	Losson 1. Mosk Evans	Losson 1. Mosk Evans			
	Lesson 1: Mock Exam						
(w/b 26 th Jun)	Lesson 2: Mock Exam		Lesson 2: Mock Exam	Lesson 2: Mock Exam			
Key Words	All taught so far						
Level 2							
Level 3							
Common	All taught so far						
Misconceptions							
Homework	Kerboodle task	Kerboodle task suitable	Kerboodle task	Kerboodle task			
Homework							
	suitable to ability of	to ability of group	suitable to ability of	suitable to ability of			
	group		group.	group.			
Assessment this	Paper 1 Mock Exam						
half-term	. ape. I mook Exam	raper i mook inam	Taper I Wook Exam	Taper I Wook Exam			
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience			
opportunities	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:	EMPLOYMENT:			
	Research scientist	Research scientist	Research scientist	Research scientist			
Employment	Research scientist	Research scientist	Research scientist	Research scientist			
Links							
Employability	Aiming high	Aiming high	Aiming high	Aiming high			
Skills	Literacy	Literacy	Literacy	Literacy			
JKIII J	Creativity	Creativity	Creativity	Creativity			
	Numeracy	Numeracy	Numeracy	Numeracy			
	Leadership	Leadership	Leadership	Leadership			
	Independence	Independence	Independence	Independence			
	Listening	Listening	Listening	Listening			
	Communication	Communication	Communication	Communication			
	Presenting	Presenting	Presenting	Presenting			
	Teamwork	Teamwork	Teamwork	Teamwork			
	Problem solving	Problem solving	Problem solving	Problem solving			
	Staying positive	Staying positive	Staying positive	Staying positive			
IT Skills		IT2: Kerboodle/Ever	learner Homework				
Notes/develop	Lesson 1:	Lesson 1:	Lesson 1:	Lesson 1:			
ments	Lesson 2:		Lesson 2:	Lesson 2:			
	1000011 2.		203011 2.	203011 2.			
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n comments							
Week 38							
		14/ 1 -	·•				
(w/b 3 rd Jul)		Work Exp	perience				
		•					
Key Words							
Level 2							
Level 3							
Common							
Misconceptions							
wiisconceptions							

Homework							
Assessment this half-term							
Career opportunities Employment Links							
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive			
Week 39 (w/b 10 th Jul)	Lesson 1: Exemplars Lesson 2:	Lesson 1: Feedback	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Exemplars Lesson 2: Feedback			
Key Words Level 2 Level 3	All taught so far						
Common Misconceptions	All taught so far						
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.			
Assessment this half-term	Paper 1 Mock Exam						
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist						
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive			
IT Skills	-30/0 Positive	IT2: Kerboodle/Ever		-3470 positive			