|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A black and white logo  Description automatically generated**Year** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **7** | Behaviour of Matter: [The Particle Model](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/solid-liquid-gas-states-and-changes-of-state/lessons?sid-6b9393=FTG6HTqCIY&sm=0&src=3) Objects Effects on Other Objects: [Changing Shape](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/forces/lessons?sid-85c588=ZNRzo5_YIw&sm=0&src=3)Building Blocks of Life: [Animal Cells](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/cells/lessons?sid-026747=3_rnsXGpFa&sm=0&src=3)   | Behaviour of Matter: [The Atom](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/atoms-elements-and-compounds/lessons?sid-e015c0=bI8yf_W4V9&sm=0&src=3)Beyond Earth: [Astrophysics](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/solar-system-and-beyond/lessons?sid-09aaba=VP9t_jTo7t&sm=0&src=3) | Behaviour of Matter: [Changing State](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/solid-liquid-gas-states-and-changes-of-state/lessons?sid-6b9393=FTG6HTqCIY&sm=0&src=3)The Human Body: [Breathing](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/breathing-and-respiration/lessons?sid-07a3c5=iCCVqJkMln&sm=0&src=3) | Chemical Reactions: [Types of Reaction.](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/understanding-chemical-reactions/lessons?sid-93ea09=E-yEkE_Vz-&sm=0&src=3)Our Earth: [The Cycles](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/earths-resources/lessons?sid-41940c=T3ZBVoaZSt&sm=0&src=3) | Building Blocks of Life: [Reproduction](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/reproduction-in-humans/lessons?sid-4ff45f=wfdHKqfc1_&sm=0&src=3)The Human Body: [Healthy Living](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/disease-and-drugs/lessons?sid-01e194=JglIyR9q-r&sm=0&src=3) | Behaviour of Matter: [Purity](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/separation-techniques/lessons?sid-86dd4b=Obo2BNN6I7&sm=0&src=3)Beyond Earth: [The Space Race](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/solar-system-and-beyond/lessons?sid-09aaba=VP9t_jTo7t&sm=0&src=3) |
| **Assessment Method** | **End of topic diagnostic assessments** | **Mid Year Assessment** | **End of topic diagnostic assessments** | **End of topic diagnostic assessments** | **End of Year Assessment (Autumn 1 – Summer 1)** | **End of topic diagnostic assessments** |
| A black and white logo  Description automatically generated**Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** |
| **8** | Chemical Reactions: [The pH Scale.](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/acids-and-bases/lessons?sid-685d07=xZ7c-3JBdH&sm=0&src=3)The Human Body: [Digestion](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/human-digestive-system/lessons?sid-bb6f56=ypnXjzaQp_&sm=0&src=3) | Our Earth: [The Atmosphere](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/climate-change-and-greenhouse-gases/lessons?sid-081114=MmcLcC3Ejd&sm=0&src=3)Behaviour of Energy: [Principles of Energy](https://www.thenational.academy/teachers/programmes/science-secondary-ks3-l/units/energy-2ga1p6y/lessons?sid-371a2f=hXOCBrKLQu&sm=0&src=3)Behaviour of Energy: [Heating and Cooling.](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/heating-and-cooling/lessons?sid-20763d=OZGt1lnlKE&sm=0&src=3) | Building Blocks of Life: [Respiration](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/breathing-and-respiration/lessons?sid-07a3c5=iCCVqJkMln&sm=0&src=3)Behaviour of energy: Energy in the Home. | Building Blocks of Life: [Plant Cells](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/reproduction-in-plants/lessons?sid-a915eb=NLijp2W1My&sm=0&src=3)Objects Effects on Other Objects: [Electrical Circuits](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/series-circuits/lessons?sid-62c84a=5GlWAl_TAw&sm=0&src=3) | Behaviour of Energy: [Mechanical Waves](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/waves/lessons?sid-e03d8f=yCsSNmx4Ab&sm=0&src=3)Objects Effects on Other Objects: [Forces and Motion](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/moving-by-force/lessons?sid-62d450=1Ds1CBayOn&sm=0&src=3) | Interaction of Life: [Photosynthesis](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/plant-nutrition-and-photosynthesis/lessons?sid-d859af=71FUXRgaJ4&sm=0&src=3)Behaviour of Matter: [The Periodic Table](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/patterns-in-the-periodic-table/lessons?sid-84c3e6=Jt9sCrNsgu&sm=0&src=3)Object Effects on Other Objects: [Changing Forces.](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/hidden-forces/lessons?sid-b36c88=dvOZbW3CPf&sm=0&src=3) |
| **Assessment Method** | **End of topic diagnostic assessments** | **Mid Year Assessment** | **End of topic diagnostic assessments** | **End of topic diagnostic assessments** | **End of Year Assessment** | **End of topic diagnostic assessments** |
| A black and white logo  Description automatically generated**Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** |
| **9** | Objects Effects on Other Objects: [Magnetism](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/magnets-and-electromagnets/lessons?sid-b12abd=bitN9jA7oz&sm=0&src=3)Interaction of Life: [Interdependence](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/ecosystems/lessons?sid-b60977=qjw2Qfq_dn&sm=0&src=3) | Objects Effects on Other Objects: [Pressure](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/hidden-forces/lessons?sid-b36c88=dvOZbW3CPf&sm=0&src=3)Building Blocks of Life: [Inheritance and Evolution](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/adaptations-competition-natural-selection-and-evolution/lessons?sid-1abfe3=df0W1IW9bD&sm=0&src=3) Behaviour of Energy: [Light](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/sound-light-and-vision/lessons?sid-d1411b=BltIPqLA8J&sm=0&src=3) | Beyond Earth: [Looking Outwards](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/solar-system-and-beyond/lessons?sid-09aaba=VP9t_jTo7t&sm=0&src=3)Object Effects on Other Objects: [Static Electricity](https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/series-circuits/lessons?sid-62c84a=5GlWAl_TAw&sm=0&src=3) | Chemical Reactions: Reactivity of Metals**GCSE Start**Building Blocks of Life: [Cells to Systems 1](https://www.thenational.academy/teachers/programmes/biology-secondary-ks4-foundation-aqa/units/eukaryotic-and-prokaryotic-cells/lessons?sid-ae33fe=1F6uggKhRT&sm=0&src=3)[Cells to Systems 2](https://www.thenational.academy/teachers/programmes/biology-secondary-ks4-foundation-aqa/units/transport-and-exchange-surfaces-in-humans/lessons?sid-d3dd25=it4ebkjqrs&sm=0&src=3) | Behaviour of Matter: [Atomic Structure and the Periodic Table](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/atomic-structure-and-the-periodic-table/lessons?sid-aa5e0a=ukvws4zWop&sm=0&src=3)[Groups of the Periodic Table](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/groups-of-the-periodic-table/lessons?sid-8dbeae=IpUKpGVols&sm=0&src=3) [Energy](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/energy-of-moving-objects/lessons?sid-856f0a=InUtLurpTA&sm=0&src=3) [The Particle Model](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/particle-explanations-of-density-and-pressure/lessons?sid-6514a0=aJESNFdSH4&sm=0&src=3) | Chemical Reactions: [Chromatography and Analysis](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/separating-substances/lessons?sid-f5a6d6=IF9-1OKew8&sm=0&src=3)Objects Effects on Other Objects: [Forces 1 – Defining Forces](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/forces-make-things-change/lessons?sid-f97e78=x54zha1yhQ&sm=0&src=3) |
| **Assessment Method** | **End of topic diagnostic assessments** | **Mid-Year Assessment** | **End of topic diagnostic assessments** | **End of topic diagnostic assessments** | **End of Year Assessment** | **End of topic diagnostic assessments** |
| A black and white logo  Description automatically generated**Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** |
| **10** | Objects Effects on Other Objects: [Forces 1 – Defining Forces](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/forces-make-things-change/lessons?sid-f97e78=x54zha1yhQ&sm=0&src=3)Building Blocks of Life: [Digestion](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/biological-molecules-and-enzymes/lessons?sid-25a101=Kkhmd68c9J&sm=0&src=3) and [Respiration](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/aerobic-and-anaerobic-cellular-respiration/lessons?sid-450720=Bv26klt9yE&sm=0&src=3)Objects Effects on Other Objects: [Electricity 1 – IV Relationships](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/circuit-components/lessons?sid-b4d6b8=XTW9mYTE2H&sm=0&src=3)Behaviour of Matter: [Types of Bonding](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/structure-and-bonding/lessons?sid-7a2f1d=ODFqZPiDCW&sm=0&src=3)Behaviour of Matter: [Quantitative Chemistry](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/calculations-involving-masses/lessons?sid-2d5278=qGYQws_pJj&sm=0&src=3)Objects Effects on Other Objects: [Forces 2 – Velocity and Acceleration](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/measuring-and-calculating-motion/lessons?sid-735f35=jGtVAek_Bz&sm=0&src=3) | Behaviour of Energy: [Principles of Waves](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/measuring-waves/lessons?sid-e57cd3=h3i90Ir92b&sm=0&src=3)Interaction of Life: [Human Health](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/health-and-disease/lessons?sid-70a08d=TavZzxsVJm&sm=0&src=3)Our Earth: [Carbon](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/chemistry-of-carbon/lessons?sid-fe7a38=puZ0zQLw1i&sm=0&src=3)Chemical Reactions: [Trends and Patterns in the Reactivity Series](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/making-salts/lessons?sid-54a205=275UpyaJ9K&sm=0&src=3)The Human Body: [The Nervous System](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/coordination-and-control-the-human-nervous-system/lessons?sid-d0cc15=6Ai-o4bS7y&sm=0&src=3), [Hormones](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/coordination-and-control-hormones-and-the-human-endocrine-system/lessons?sid-8f75b5=YH4-Y7fxvu&sm=0&src=3), and [Fertility](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/hormones-and-human-reproduction/lessons?sid-a8f327=5lLX_MPwOE&sm=0&src=3)Objects Effects on Other Objects: [Energy and Electricity](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/electric-fields-and-circuit-calculations/lessons?sid-ac4224=kxrpQlbg7h&sm=0&src=3) | Behaviour of Matter: [Atoms and Nuclear Radiation](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/nuclear-physics/lessons?sid-3d1e86=0U1AHqlrJw&sm=0&src=3)Chemical Reactions: [Energy and Reactions](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/energy-changes-in-reactions/lessons?sid-70d247=aBzz80oEjV&sm=0&src=3)Building Blocks of Life: [Transport in Plants](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/transport-and-exchange-surfaces-in-plants/lessons?sid-8e1010=gDhLWgQV52&sm=0&src=3)Our Earth: [Resources](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/using-earths-resources/lessons?sid-0fe421=w96asNMGlk&sm=0&src=3)Our Earth: [Human Impact](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/atmosphere-and-changing-climate/lessons?sid-89fba4=3Btz9SdS4g&sm=0&src=3) |
| **Assessment Method** | **End of topic diagnostic assessments** | **End of topic diagnostic assessments** | **End of topic diagnostic assessments** | **Year 10 PPE** | **End of topic diagnostic assessments** | **End of topic diagnostic assessments** |
| A black and white logo  Description automatically generated**Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information***  |
| **11** | P6: Waves - [Properties of Waves](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/measuring-waves/lessons?sid-e57cd3=h3i90Ir92b&sm=0&src=3)P6: Waves - [The Electromagnetic Spectrum](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/electromagnetic-waves/lessons?sid-a16619=WpwdVUzYoJ&sm=0&src=3)B5: Homeostasis - [The Nervous System](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/coordination-and-control-the-human-nervous-system/lessons?sid-d0cc15=6Ai-o4bS7y&sm=0&src=3)B5: Homeostasis - [The Endocrine System](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/hormones-and-human-reproduction/lessons?sid-a8f327=5lLX_MPwOE&sm=0&src=3)C9: [The Earth and Atmosphere](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/atmosphere-and-changing-climate/lessons?sid-89fba4=3Btz9SdS4g&sm=0&src=3)C10: [Using Resources](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/using-earths-resources/lessons?sid-0fe421=w96asNMGlk&sm=0&src=3) | P5: Forces – [Forces and their Interactions](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/forces-make-things-change/lessons?sid-f97e78=x54zha1yhQ&sm=0&src=3)P5: Forces – [Forces and Motion](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/measuring-and-calculating-motion/lessons?sid-735f35=jGtVAek_Bz&sm=0&src=3)B6: Inheritance – [Reproduction](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/inheritance-genotype-and-phenotype/lessons?sid-a08bfe=hbQ8VVKq5F&sm=0&src=3)B6: Inheritance – [Variation and Evolution](https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/variation-and-natural-selection-at-the-genetic-level/lessons?sid-30b831=xrIBjgTwLS&sm=0&src=3) | GCSE Revision Curriculum | A black and white logo  Description automatically generated |
| **Assessment Method** | **End of topic diagnostic assessments** | **November PPE** | **End of topic diagnostic assessments** | **February PPE** | **GCSEs** |  |
| A black and white logo  Description automatically generated**Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information***  |