**Academic Year 2021 – 2022**

**Science Department Curriculum**

**Remote Learning Plan – Schemes of Learning Overview**

**KS3 Science**

Students will follow the sequence of the online textbook from AQA answering questions as they go. Each lesson they will be assigned a task for the pages used from that lesson.

BBC Bitesize for KS3 Science has been linked. Oak National Academy has also been linked, which has video lessons and assessments for reviewing student knowledge.

**Year 7:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term** | **Unit** | **Core Content** | **Links** |
| **1** | Chemistry: MATTER | States of matter, separation techniques, diffusion | AQA Activate 1 P78- 106  <https://www.bbc.co.uk/bitesize/topics/z9r4jxs>  <https://classroom.thenational.academy/units/particles-f50c> |
| Biology: ORGANISMS | Animal and plant cells, body systems, microscopes, diffusion | AQA Activate 1 P160-178  <https://www.bbc.co.uk/bitesize/topics/znyycdm>  <https://classroom.thenational.academy/units/cells-tissues-and-organs-03b2> |
| **2** | Physics: FORCES | Speed, forces on an object, gravity, mass and weight | AQA Activate 1 P14- 24  <https://www.bbc.co.uk/bitesize/topics/z4brd2p>  <https://classroom.thenational.academy/units/forces-and-motion-b426> |
| Chemistry: EARTH | Structure of the earth, rock types, space | AQA Activate 1 P138- P156  <https://www.bbc.co.uk/bitesize/topics/z3fv4wx>  <https://classroom.thenational.academy/units/materials-and-the-earth-78e8>  <https://classroom.thenational.academy/units/light-and-space-fa61> |
| **3** | Chemistry: REACTIONS | Atoms, elements, compounds, acids and alkalis, reactions of metals, oxidation, displacement reactions | AQA Activate 1 P110- P134  <https://www.bbc.co.uk/bitesize/topics/zstp34j>  <https://www.bbc.co.uk/bitesize/topics/zypsgk7>  <https://www.bbc.co.uk/bitesize/topics/zn6hvcw>  <https://classroom.thenational.academy/units/chemical-reactions-5ffa> |
| Physics: ENERGY | Energy types, energy in food, energy use in our homes | AQA Activate 1 P42- P52  <https://www.bbc.co.uk/bitesize/topics/zc3g87h>  <https://classroom.thenational.academy/units/energy-0b08> |
| **4** | Physics: WAVES | Sound waves, light waves, spectrum of light, filters and colour | AQA Activate 1 P56- P 74  <https://www.bbc.co.uk/bitesize/topics/zw982hv>  <https://classroom.thenational.academy/units/sound-waves-0e79>  <https://classroom.thenational.academy/units/light-and-space-fa61> |
| Physics: ELECTRICITY | Electricity, circuits, resistance, static electricity | AQA Activate 1 P28-P38  <https://www.bbc.co.uk/bitesize/topics/zgy39j6>  <https://classroom.thenational.academy/units/electricity-and-magnetism-ab64> |
| **5** | Biology: GENES | Reproduction, adaptations, foetal development, variation | AQA Activate 1 P200 – P216  <https://www.bbc.co.uk/bitesize/topics/zybbkqt>  <https://classroom.thenational.academy/units/reproduction-and-variation-f60f> |
| KS3 Assessment Week | Assessment on all Units covered in year 7 so far | |
| **6** | Biology: ECOSYSTEMS | Food webs, interdependence, biodiversity, pollination | AQA Activate 1 P182 - P196  <https://www.bbc.co.uk/bitesize/topics/zxhhvcw>  <https://classroom.thenational.academy/units/biological-systems-and-processes-bf5a> |