

**KS3 Science Curriculum  
2020-2021**

| Wk | Year 7   | Year 8                 |
|----|--|------------------------|
| 1  |  |                        |
| 2  | Working Scientifically 1                       | Diet and Health        |
| 3  | Matter, particle model and separating mixtures |                        |
| 4  |  | Waves                  |
| 5  | Organisms                                      |                        |
| 6  |  | Science Fair/WS2       |
| 7  |  |                        |
| 8  |  |                        |
| 9  |  |                        |
| 10 | Forces   | Chemical groups        |
| 11 |  |                        |
| 12 | Atoms, Elements and Compounds                  | Density and Pressure   |
| 13 |  |                        |
| 14 |  | Science Fair/WS3       |
| 15 |  |                        |
| 16 | Revision/Exam                                  | Revision/Exam          |
| 17 |  |                        |
| 18 |  |                        |
| 19 |  |                        |
| 20 | Space  | Bioenergetics          |
| 21 |  |                        |
| 22 | Acids and Alkalis                              | Reactions              |
| 23 |  |                        |
| 24 |  |                        |
| 25 |  |                        |
| 26 | Reproduction in Plants                         |                        |
| 27 |  | Science Fair/WS4       |
| 28 | Reproduction in Animals                        | Genes                  |
| 29 |  |                        |
| 30 | Revision/Exam                                  | Revision/Exam          |
| 31 |  |                        |
| 32 |  |                        |
| 33 | Energy   | Heat Transfer          |
| 34 | Electricity                                    |                        |
| 35 |  | Magnetism              |
| 36 |  |                        |
| 37 | Ecosystems                                     | Chemistry of the Earth |
| 38 |  |                        |
| 39 |  | Review                 |
| 40 |  |                        |
| 41 |  |                        |
| 42 | Revision                                       | Revision               |
| 43 |  |                        |
| 44 | Exam Week                                      | Exam Week              |
| 45 |  |                        |
| 46 | Marking Week                                   | Marking Week           |
| 47 |  |                        |
| 48 |  |                        |
| 49 |  |                        |
| 50 |  |                        |
| 51 |  |                        |
| 52 |  |                        |

**Marking Policy**

**MCA** - Formative tests will be completed by students and marked by teachers every 6 lessons.

**MVPA** - Feedback to be given every 4 - 6 lessons either as KO test with GPC or homework.

**Overarching Objectives for KS3**

Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.

Develop understanding of the nature, processes and methods of science, through different types of scientific enquiry that help them to answer scientific questions about the world around them.

Develop and learn to apply observational, practical, modelling, enquiry, problem-solving skills and mathematical skills, both in the laboratory, in the field and in other environments.

Develop their ability to evaluate claims based on science through critical analysis of the methodology, evidence and conclusions, both qualitatively and quantitatively.

Students are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.