Year 7 SOL 2022

Autumn

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| Fortnight  and date | Biology | Chemistry | Physics |
| 1 | **B1: Cell Biology and organisation.**  L1 Cells, tissues, and organs. | **C1: Particles**  L1 Lab safety and equipment | **P1: Forces 1**  L1 What are forces |
| L2 The Skeleton | L2 Bunsen burners | L2 Variables |
| L3 Joints | L3 The particle model | L3 Displaying data |
| 2 | L4 Muscles | L4 States of matter problem solver. | L4 Types of forces |
| L5 Plant and animal cells | L5 Melting and freezing | L5 Balanced and unbalanced forces |
| L6 Observing cells | L6 Melting and freezing | L6 Progress assessment |
| 3 | L7 Viewing cells | L7 Melting and freezing | L7 Isaac Newton |
| L8 Magnification | L8 Boiling | L8 Gravity |
| L9 Progress assessment | L9 Boiling | L9 Our Solar System (DART) |
| 4 | L10 History of cell biology | L10 Boiling | L10 Our Solar System (DART) |
| L11 Specialised cells. | L11 Evaporation and condensation | L11 Speed |
| L12 Specialised cells | L12 Evaporation and condensation | L 12 Acceleration |
| Half term | | | |
| 5 | L13 Problem solver | L13 Progress assessment | L13 DT graph |
| L14 Diffusion | L14 Diffusion | L14 DT problem solver |
| L15 Unicellular organisms | L15 Diffusion | L15 DT problem solver |
| 6 | L16 Assessment revision/ Knowledge audit | L16 Brownian motion | L16 Assessment revision/ Knowledge audit |
| L17 EOU Assessment | L17 Gas pressure | L17 EOU Assessment |
| L18 DIRT | L18 Assessment revision/ Knowledge audit | L18 DIRT |
| 7 | L19 DIRT | L19 EOU Assessment | L19 DIRT |
| **B2: Reproduction and variation**  L20 Adolescence | L20 DIRT | **P2: Energy 1**  L20 Energy stores |
| L21 Reproductive systems | L21 DIRT | L21 Energy transfers |
| 8 | L22 Fertilisation and implantation | **C2: Separation Techniques**  L22 Purity | L22 Converting the joule |
| L23 Development of the foetus | L23 Sol words | L23 Energy in food |
| L24 The menstrual cycle | L24 Solubility | L24 Problem solver |
| Xmas | | | |

Spring

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| --- | --- | --- | --- |
| Date | Biology | Chemistry | Physics |
| 9 | L25 Contraception | L25 Solubility | L25 Energy and Health DART |
| L26 Lifestyle on foetus | L26 Solubility | L26 Progress assessment |
| L27 Progress assessment | L27 Filtration | L27 Useful and wasted energy |
| 10 | L28 Variation | L28 Filtration | L28 Conduction |
| L29 Continuous and discontinuous | L29 Problem solver | L29 Convection |
| L30 Flowers and pollination. | L30 Problem solver | L30 Assessment revision / Knowledge audit |
| 11 | L31 Fertilisation and germination. | L31 Progress assessment | L31 EOU assessment |
| L32 Seed dispersal | L32 Chromatography | L32 DIRT |
| L33 Assessment revision / Knowledge audit | L33 Distillation | L33 DIRT |
| Half term | | | |
| 12 | L34 DIRT | L34 Sep tech project | **P3 Electricity magnetism 1**  L34 Conductors and insulators. |
| L35 DIRT | L35 Sep tech project | L35 Circuits |
| B3 Interdependence  L36 Predator prey | L36 Assessment revision / Knowledge audit | L36 Problem solver |
| 13 | L37 Food chains | L37 EOU assessment | L37 Current in series and parallel |
| L38 Food webs | L38 DIRT | L38 Voltage |
| L39 What is an ecosystem | L39 DIRT | L39 Voltage in circuits |
| Easter | | | |

Summer

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| Date | Biology | Chemistry | Physics |
| 14 | L40  Bioaccumulation | **C3 Chemical reactions 1**  L40 Chemical and physical reactions | L40 Progress assessment |
| L41 DART | L41 Atoms, elements, and compounds. | L41 Magnets |
| L42 Progress assessment | L42 Atoms, elements, and compounds. | L42 Magnetic fields |
| 15 | L43 Sampling | L43 Properties of compounds DART | L43 Electromagnetism |
| L44 Sampling practical | L44 Word equations | L44 Strength of electromagnets |
| L45 Sampling PS | L45 Symbol equations | L45 Electromagnets results and analysis |
| Half term | | | |
| 16 | L46 PS DIRT | L46 Progress assessment | L46 Assessment revision / Knowledge audit |
| L47 Pollinators | L47 Conservation of mass PS | L47 EOU assessment |
| L48 Food security | L48 Conservation of mass PS | L48 DIRT |
| 17 | L49 Assessment revision / Knowledge audit | L49 Assessment revision / Knowledge audit | L49 DIRT |
| L50 EOU assessment | L50 EOU assessment | Contingency time |
| L51 DIRT | L51 DIRT |
| Summer | | | |