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| ***S5***  National 5 TIMELINE 2022/2023 | | | | |  | | |  | |
| **Wk** | **Week Ending** | **Content**  Holidays | | | **Homework** | | **Dates** | |
| UNIT 1: CELL BIOLOGY | | | | |  | | | |
|  | Before Summer | Intro to cells. Cell ultrastructure and comparisons |  |  |
| 3 | 19/08/22 | Cell Transport - cell membranes, diffusion and osmosis | Cell Sizes and Bar graph 1/ PS Booklet | *IS Mon Tue* |
| 4 | 26/08/22 | Effect of osmosis. Active transport | Percentages and Ratios / PS Booklet |  |
| 5 | 02/09/22 | DNA structure. Proteins. Genetic Engineering | **KEY AREAS 1 & 2 ASSESSMENT** |  |
| 6 | 09/09/22 | Enzymes intro  Enzyme activity. Types of enzyme reactions. | Comprehension/ PS Booklet |  |
| 7 | 16/09/22 | Factors affecting rate | Enzymes HW 1 |  |
| 8 | 23/09/22 | **REVISION**  Respiration Intro + ATP | **KEY AREAS 3,4&5 ASSESSMENT** | *Fri* |
| *SEPTEMBER WEEKEND* | | | | |  |
| 11 | 30/09/22 | Types of respiration Effect of Exercise | Respiration HW 1 | *Mon* |
| 12 | 07/10/22 | **REVISION** | **KEY AREA 6 ASSESSMENT** |  |
| 13 | 14/10/22 | **Unit 1 REVISION & UAS** | **UNIT 1 ASSESSMENT** |  |
| OCTOBER WEEK | | | | |  |
| 14 | 28/10/22 | Producing new cells, Stem cells | Line Graph 1&2 / PS Booklet | *IS Mon* |
| 15 | 04/11/22 | Cell, Tissues & Organs, Gametes – animals and plants | Producing New Cells HW |  |
| 16 | 11/11/22 | Fertilisation, discrete & continuous variation | Reproduction HW |  |
| 17 | 18/11/22 | Monohybrid crosses and revision | **KEY AREA 1, 3 & 4 ASSESSMENT** |  |
| 18 | 25/11/22 | Plant transport systems | Variation and Inheritance HW |  |
| 19 | 02/12/22 | Animal transport systems | Plant Transport Systems HW |  |
| 20 | 09/12/22 | Absorption of materials | Animal Transport HW |  |
| 21 | 16/12/22 | Hormonal Control & blood glucose regulation |  |  |
| 22 | 23/12/22 | Glucose tolerance curve and types of diabetes  **REVISION** |  |  |

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| CHRISTMAS HOLIDAY | | | | |
| 23 | 06/01/23 | **REVISION** | UNIT 2 ASSESSMENT |  |
| 24 | 13/01/23 | **REVISION** |  |  |
| 25 | 20/01/23 | **PRELIMS** | **REVISION** |  |
| 26 | 27/01/23 | **PRELIMS** | **REVISION** |  |
| 27 | 03/02/23 | **PRELIMS** | **REVISION** |  |
| 28 | 10/02/23 | KA1 Ecosystems & Producers/Consumers, | Simple Relationships / PS Booklet | *IS Fri* |
| 29 | 17/02/23 | KA1 Food webs, Ecosystems & Niches | Describing Relationships / PS Booklet | *Hol Mon Tue* |
| 30 | 24/02/23 | KA2 Identifying Organisms + Sampling techniques | Ecosystems HW |  |
| 31 | 03/03/23 | **REVISION**  KA3 Photosynthesis | **KEY AREA 1 & 2 ASSESSMENT** |  |
| 32 | 10/03/23 | KA3 Limiting Factor Experiments  KA4 Energy Transfer, Pyramids | Photosynthesis HW |  |
| 33 | 17/03/23 | **REVISION**  KA5 Population Growth, Fertilisers & Algal Blooms | **KEY AREA 3 & 4 ASSESSMENT** |  |
| 34 | 24/03/23 | KA6 Adaptations, Natural Selection, Speciation | Energy in Ecosystems |  |
| 35 | 31/03/23 | **REVISION** | ***KEY AREA 5 & 6 ASSESSMENT*** |  |
| EASTER HOLIDAYS | | | | |
| 36 | 21/04/23 | **REVISION** |  |  |