**IB DP Biology**

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| **CORE TOPICS** | **HOURS** |
| Topic 1: Cell biology | 15 |
| Topic 2: Molecular biology | 21 |
| Topic 3: Genetics | 15 |
| Topic 4: Ecology | 12 |
| Topic 5: Evolution & biodiversity | 12 |
| Topic 6: Human physiology | 20 |
|  | 95  TOTAL |

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| **ADDITIONAL HIGHER LEVEL** | **HOURS** |
| Topic 7: Nucleic acids | 9 |
| Topic 8: Metabolism, cell respiration & photosynthesis | 14 |
| Topic 9: Plant biology | 13 |
| Topic 10: Genetics & evolution | 8 |
| Topic 11: Animal physiology | 16 |
|  | 60  TOTAL |

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| **OPTIONS** | **HOURS** |
| A: Neurobiology & behavior |  |
| B: Biotechnology & bioinformatics |  |
| C: Ecology & conservation |  |
| D: Human physiology |  |
|  | SL=15  HL=25  TOTAL |

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| **Practical Scheme of Work** | **HOURS** |
| Practical Activities | 20 SL  40 HL |
| Internal Assessment (individual investigation) | 10 |
| Group IV | 10 |

IA—a student designed investigation that demonstrates the application of knowledge and skills

Group IV—collaborative and interdisciplinary activity to investigate a science topic

**IB DP Chemistry**

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| **CORE TOPICS** | **HOURS** |
| Topic 1: Stoichiometric relationships | 13.5 |
| Topic 2: Atomic structure | 6 |
| Topic 3: Periodicity | 6 |
| Topic 4: Chemical bonding and structure | 13.5 |
| Topic 5: Energetics/thermochemistry | 9 |
| Topic 6: Chemical kinetics | 7 |
| Topic 7: Equilibrium | 4.5 |
| Topic 8: Acids and bases | 6.5 |
| Topic 9: Redox processes | 8 |
| Topic 10: Organic chemistry | 11 |
| Topic 11: Measurement and data processing | 10 |
|  | 95  TOTAL |

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| **ADDITIONAL HIGHER LEVEL** | **HOURS** |
| Topic 12: Atomic structure | 2 |
| Topic 13: The periodic table—the transition metals | 4 |
| Topic 14: Chemical bonding and structure | 7 |
| Topic 15: Energetics/thermochemistry | 7 |
| Topic 16: Chemical kinetics | 6 |
| Topic 17: Equilibrium | 4 |
| Topic 18: Acids and bases | 10 |
| Topic 19: Redox processes | 6 |
| Topic 20: Organic chemistry | 12 |
| Topic 21: Measurement and analysis | 2 |
|  | 60  TOTAL |

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| **OPTIONS** | **HOURS** |
| A: Materials |  |
| B: Biochemistry |  |
| C: Energy |  |
| D: Medicinal chemistry |  |
|  | SL=15  HL=25  TOTAL |

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| **Practical Scheme of Work** | **HOURS** |
| Practical Activities | 20 SL  40 HL |
| Internal Assessment (individual investigation) | 10 |
| Group IV | 10 |