BIOLOGY Curriculum Overview for IGCSE Science (Double Award) Edexcel 4SD0 (Summer 2019 onwards)

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| Year | Michaelmas term | Lent term | Trinity term |
| 9 | TOPIC 1  Section 1: a) Characteristics of orgs    Section 2: a) Levels of organisation  TOPIC 2  Section 2: b) Cell structure  ASSESSMENT 1 (1-2 incl. prac)  TOPIC 3  Section 2: d) Movement of substances  TOPIC 4  Section 1: b) Variety of living organisms  ATL - group research task  ASSESSMENT 2 (3-4) | TOPIC 5  Section 2: c) Biological molecules (excl. enzymes)  Also balanced diet and energy in food from 2: e)  ATL – nutrient group research task  Introduce CORMMSS (e.g. vitamin D)  ASSESSMENT 3 (5)  TOPIC 6  Section 2: e) Nutrition (humans) incl. enzymes  Continue CORMMSS (e.g. enzymes)  ASSESSMENT 4 (5-6) | TOPIC 7  Section 2: f) Respiration  TOPIC 8  Section 2: g) Gas exchange (humans)  END OF YEAR EXAM  ATL - exercise and breathing rate (mini IA)  ATL - smoking (mini EE) |
| 10 | TOPIC 9  Section 2: e) Nutrition (plants)  TOPIC 10  Section 2: h) Transport (plants)  Section 2: i) Excretion (plants)  ASSESSMENT 1 (9-10)  TOPIC 11  Section 2: h) Transport (Humans)  ASSESSMENT 2 (11) | TOPIC 12  Section 2: i) Excretion (humans)  Only 2.70.  TOPIC 13  Section 2: j) Coordination and response  ASSESSMENT 3 (12-13) | TOPIC 14  Section 3: a) Reproduction (plants)  Section 3: a) Reproduction (humans)  END OF YEAR EXAM  ATL - mini IA (based on a core prac TBC) |
| 11 | TOPIC 15  Section 4: a) The organism in the environment  Section 4: b) Feeding relationships  ATL – ecology field trip  Section 4: c) Cycles within ecosystems  Section 4: d) Human influences on the environment  ASSESSMENT (15)  TOPIC 16  Section 3: b) Inheritance  ASSESSMENT (16)  Section 5: a) Food production | TOPIC 17  Revision  L2/3 - MOCK EXAM  Section 5: b) Selective breeding  Section 5: c) Genetic modification  Section 5: d) Cloning  Practical revision (min. three lessons)  Exam question practice | Exam question practice |