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 organisationTOPIC 2Section 2: b) Cell structure ASSESSMENT 1 (1-2 incl. prac)TOPIC 3Section 2: d) Movement of substances TOPIC 4Section 1: b) Variety of living organismsATL - group research taskASSESSMENT 2 (3-4)  | TOPIC 5Section 2: c) Biological molecules (excl. enzymes)Also balanced diet and energy in food from 2: e)ATL – nutrient group research taskIntroduce CORMMSS (e.g. vitamin D)ASSESSMENT 3 (5)TOPIC 6Section 2: e) Nutrition (humans) incl. enzymesContinue CORMMSS (e.g. enzymes)ASSESSMENT 4 (5-6)  | TOPIC 7Section 2: f) Respiration TOPIC 8Section 2: g) Gas exchange (humans)END OF YEAR EXAMATL - exercise and breathing rate (mini IA)ATL - smoking (mini EE) |
| 10 | TOPIC 9Section 2: e) Nutrition (plants)TOPIC 10Section 2: h) Transport (plants)Section 2: i) Excretion (plants)ASSESSMENT 1 (9-10) TOPIC 11Section 2: h) Transport (Humans)ASSESSMENT 2 (11)  | TOPIC 12Section 2: i) Excretion (humans)Only 2.70. TOPIC 13Section 2: j) Coordination and response ASSESSMENT 3 (12-13)  | TOPIC 14Section 3: a) Reproduction (plants)Section 3: a) Reproduction (humans)END OF YEAR EXAMATL - mini IA (based on a core prac TBC) |
| 11 | TOPIC 15Section 4: a) The organism in the environmentSection 4: b) Feeding relationships ATL – ecology field tripSection 4: c) Cycles within ecosystemsSection 4: d) Human influences on the environmentASSESSMENT (15) TOPIC 16Section 3: b) InheritanceASSESSMENT (16) Section 5: a) Food production | TOPIC 17Revision L2/3 - MOCK EXAMSection 5: b) Selective breedingSection 5: c) Genetic modification Section 5: d) CloningPractical revision (min. three lessons)Exam question practice | Exam question practice |