**Year Plan: Life Sciences 2022**

**Grade 10**

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|  | **Week** | **Content** | **Assessment** |
|  |  | Task 1: Practical #1 [30] marks   1. Food Tests   Task 2: Control Test #1 [50] marks   1. Organic & Inorganic Compounds 2. Microscope 3. Cell Structure 4. Cell Division |
| T  E  R  M  O  N  E | 1 | Orientation: Biological Skills |
| 2 | Inorganic Compounds |
| 3 | Organic Compounds |
| 4 | Organic Compounds & Microscope |
| 5 | Cell Structure |
| 6 | Cell Structure |
| 7 | Cell Structure |
| 8 | Mitosis |
| 9 | Plant Tissues |
| 10 | Animal Tissues |
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| T  E  R  M  T  W  O | 1 | Biotechnology | Task 3: Assignment [50] marks   1. Plant Tissues 2. Animal Tissues   Task 4: Controlled Test [50] marks   1. Plant Tissues 2. Animal Tissues 3. Leaf 4. Support & Transport in Plants 5. Support & Transport in Animals |
| 2 | Plant Leaf & Root |
| 3 | Plant Root & Stem |
| 4 | Transport in Plants |
| 5 | Transport in Plants |
| 6 | Human Skeleton |
| 7 | Transport in Humans |
| 8 | Transport in Humans |
| 9 | Controlled Test |
| 10 | Controlled Test |
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| T  E  R  M  T  H  R  E  E | 1 | Biosphere & Biomes | Task 5: Practical#2 [30] marks   1. Abiotic Factors   Task 6: Test#3 [50]   1. Biosphere 2. Biomes 3. Ecosystems, Nutrient Cycles 4. Biodiversity 5. Classification |
| 2 | Biosphere & Biomes |
| 3 | Ecosystems & Abiotic Factors |
| 4 | Biotic Factors & Energy Flow |
| 5 | Nutrient Cycles |
| 6 | Biodiversity |
| 7 | Classification |
| 8 | History of Life |
| 9 | Cambrian Explosion |
| 10 | Consolidation |  |
|  |  | Task 7: Paper 1 [150] + Paper 2 [150] = [300] marks  Paper 1 Paper 2  [33] Chemistry of Life Mammal Transport [32]  [19] Cells Biospheres to Ecosystems [54]  [19] Mitosis Biodiversity & Classification [21]  [28] Tissues History: Life on Earth [43]  [9] Leaf  [23] Plant Support & Transport  [19] Animal Support |
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| T  E  R  M  F  O  U  R | 1 | Mass Extinctions |
| 2 | Fossil Studies |
| 3 | South African Fossils, & Tourists |
| 4 | Consolidation |
| 5 | EXAMS |
| 6 | EXAMS |
| 7 | EXAMS |
| 8 | Admin |
| 9 | Admin |
| 10 | Admin |