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| Stage 1 Biology Course Calendar 2022  *\*\*Rough Outline – Subject to Change\*\**  Blue topics = Cells & Microorganisms  Green topics = Biodiversity & Ecosystem Dynamics | | | |
| **Week** | **Topic** | **Workbook** | **Information** |
| 1-1 | * Living/Non-living things * Cell Theory * Prokaryotic vs Eukaryotic Cells | P6-15  P16  P17-25 | 🛈 REMOTE LEARNING |
| 1-2 | * Organelles [cheek/onion cell mounts] * Cell Cycle & Mitosis | P26-38 | 🛈 REMOTE LEARNING |
| 1-3 | * Comparing Mitosis & Binary Fission | P26-38 |  |
| 1-4 | * Energy requirement in cells * Photosynthesis, Respiration, * ATP * Fermentation * SHE ELEMENTS | P39—47 |  |
| 1-5 | * Fermentation & energy | P39—47 | 🛈 Fri = Swimming Carnival |
| 1-6 | * Cell Membrane * SA:V ratio | P48-65 | 🛈 Fri = Student Free Day |
| 1-7 | * Cell Membrane & Transport | P48-65 | 🛈 Mon = Holiday |
| 1-8 | * Passive transport methods   (diffusion, osmosis, facilitated diffusion) | P48-65 |  |
| 1-9 | * Active Transport Methods | P48-65 | 🛈 Fri = 11 Camps |
| 1-10 | **Ketchup Week**   * Transcription/Translation |  | 🛈 Mon = 11 Camps  🛈 Thurs = Inter Athletics Day |
| 1-11 | * Importance of biodiversity (genetics, species, ecosystems) * Keystone Species Intro | P286-287,385  P291-298  P361-364 | 🛈 Wed = Sports Day  🛈 Thurs = Holiday  🛈 Fri = Holiday |

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| 2-1 | * Abiotic and Biotic factors & relationships (impact on ecosystem) * Patterns within communities * Energy flow through ecosystems | P332-339  P288-290  P340-342  P343-346 |  |
| 2-2 | * Populations and ecological niches * Taxonomy – biologically classification hierarchy | P355-360  P299-318 |  |
| 2-3 | * Reproductive Isolation & adaptations * Adaptations | P319-321  P322-331 |  |
| 2-4 | * Water and Nutrient cycles | P347-350,352-354 | 🛈 Wed = Inter Swimming Day |
| 2-5 | * Ecological change – succession * Human impact on ecosystems * Destruction of habitat * Measuring and predicting impact of environmental change | P365-366  P351  P371-384 |  |
| 2-6 | A close up of a bottle  Description automatically generated  **Ketchup Week** |  | 🛈 Fri = Student Free Day |
| 2-7 | **9-11 EXAMS** & 7-10 Focus Days  (Tues – Fri) |  | 🛈 Mon = Holiday |