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| **TEACHER UNIT PLANNER** | | | | | | |
| **Year Level:** | | | 8 | | Student check list: 🗹 when you know… | |
| **Subject:** | | | SCIENCE | | Assessment due dates  The learning goals and success criteria for this term  Changes to routines e.g. excursions  When revision lessons will occur | |
| **Term/Year:** | | | 3 / 2021 | |  | |
| **Unit Title:** | | | Cells and Reproduction | |  | |
| **Assessment:** | | | EXAM – week 9/10 | |  | |
| **Key Resource:** | | | Science Ways 1  \* Denotes which cognitive verbs are to be taught and focussed on | |  | |
| **WK** | **Wk. Beg** | **Holidays or variations this week** | **Lesson 1** | **Lesson 2** | | **Lesson 3** |
| 1 | 12 Jul. 21 |  | **LG1, SC1 & 2**  ***\*Define, Describe***  **CELLS**  - What are they?  - Cell theory  - Types, sizes of cells  - Functions  - Unicellular and multicellular organisms: READ TO WRITE | **LG1, SC3,4**  ***\*Identify, Explain***  Cell organelles   * diagrams * functions | | **LG1, SC1 & 2**  ***\*Identify, Label, Describe***  Build a model cell |
| 2 | 19 Jul. 21 |  | **LG1, SC3,4**  ***\*Compare***  -Plant, Animal and Fungal Cells (Create Venn diagram to compare)  - Analogy 🡪 A cell is like a city | **LG1, SC1 & 2**  COSMOS – *Cells* | | **LG2, SC5**  ***\*Prepare, Examine, Draw***  Making wet mount slides  Looking at pond water  Drawing diagrams |
| 3 | 26 Jul. 21 |  | **LG2, SC5**  ***\*Prepare, Examine, Draw***  Making wet mount slides  Looking at pond water  Drawing diagrams | **LG3, SC6**  ***\*Explain, Recognise***  **MITOSIS**   * Definition/description and importance | | **LG3, SC6**  COSMOS – *Cell Division* |
| 4 | 2 Aug. 21 |  | **LG4, SC7**  ***\*Describe, Explain***  **PHOTOSYNTHESIS**   * Equation * Importance * When/where/why it occurs * Contrast with respiration | **LG4, SC7**  ***\*Describe, Explain***  **PHOTOSYNTHESIS**   * Equation * Importance * When/where/why it occurs * Contrast with respiration | | **LG4, SC8**  ***\*Define, Identify, Explain***  Transport in plants  -xylem and phloem  -transpiration   * -celery prac |
| 5 | 9 Aug. 21 |  | **LG4, SC8**  ***\*Define, Identify, Explain***  Transport in plants  -xylem and phloem  -transpiration  -celery prac | **LG4, SC9**  ***\*Observe, Predict***  Leaf structure and function – stomata prac | | **LG4, SC7-9**  COSMOS – *Plant Cells* |
| 6 | 16 Aug. 21 |  | **LG5, SC10,11**  ***\*Describe, Explain, Compare***  **REPRODUCTION**  Asexual vs Sexual | **LG5, SC12**  ***\*Calculate, Construct, Interpret, Analyse***  Calculating and graphing population growth of unicellular organisms | | **LG6, SC13,14**  ***\*Identify, Draw, Label, Describe, Explain, Compare***  Reproduction in flowering plants – parts of a flower (structures and functions)  -pollination and fertilisation |
| 7 | 23 Aug. 21 |  | **LG6, SC13,14**  ***\*Identify, Label, Explain, Compare***   * Flower dissection | **LG6, SC15**  ***\*Describe, Collect, Analyse, Decide, Justify***  Seed Dispersal | | **LG6, SC16**  ***\*Describe, Collect, Analyse, Decide, Justify***  Seed Dispersal |
| 8 | 30 Aug. 21 | Fri  3rd  SFD | **LG7, SC17**  ***\*Identify, Label, State***  Human Male Reproductive System -parts and functions  Human Female Reproductive System - parts and functions | **LG7, SC18**  ***\*Label, explain***  Menstrual Cycle | | **LG5, 6 & 7, SC19**  COSMOS - *Reproduction* |
| 9 | 6 Sep. 21 |  | **LG1 - 7, SC1 - 23**   * Revision (Part A) | **LG1 - 7, SC1 - 23**   * Revision (Part A) | | **EXAM – PART A – *Scientific Understanding (60 minutes)***  Revision for part A |
| 10 | 13 Sep. 21 |  | **LG1 - 7, SC1 - 23**  Revision (Part B) | **EXAM PART B – *scientific investigation (30 minutes)*** | | **LG7, SC20**  ***\*Discuss, Decide***  Catch up exam(s)  Return Assessment  Reproductive Technologies |