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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 waterDrawing diagrams |
| 3 | 26 Jul. 21 |  | **LG2, SC5*****\*Prepare, Examine, Draw***Making wet mount slides Looking at pond waterDrawing 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
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 | **LG4, SC8*****\*Define, Identify, Explain***Transport in plants-xylem and phloem-transpiration* -celery prac
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| 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 | Fri3rdSFD | **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 AssessmentReproductive Technologies |