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| **STUDENT UNIT PLANNER** |
| Year Level: | 9 | 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 assessment practice lessons will occur (exemplars)[ ] When revision lessons will occur |
| **Term/Year:** | 1 / 2024 |
| **Unit Title:**  | Body Systems |
| **Assessment:** | Test |
| **Key Resource:**  |   |
| **Student Achievement:** Last unit I achieved a result of \_\_\_\_\_\_\_ , this unit I would like to achieve a result of \_\_\_\_\_\_\_\_\_\_\_.  |
| **WK** | **Wk. Beg** | **Holidays or variations this week** | **Lesson 1** | **Lesson 2** | **Lesson 3** |
| 1 | 22nd January | 26th Jan Australia Day |  | **Introduction to Unit**A Cold Blooded Killer – Boa ConstrictorJigsaw activity | **AUSTRALIA DAY** |
| 2 | 29th January |  | **Digestive System**How do we process food?-parts and function-physical vs chemical digestion-video and qu’s stile  | **Digestive System**-continue parts and function-villi and microvilli increase S.A | **Digestive System**-compare vulture, koala and human digestive systems – stile-digestion prac |
| 3 | 5th February |  | **Respiratory System**How do the lungs work?-main parts and functions-lung models-videos and qu’s - stile | **Respiratory System**Lung capacityWays to improve respiratory systemCellular respiration/diffusion and gas exchangeEffect of smoking | **Respiratory System**-Pluck dissection-Make a lung bottle |
| 4 | 12th February |  | **Circulatory System**How does blood move around my body?-main function -types of blood vessels-blood vessels under a microscope | **Circulatory System**The heart and how it pumps bloodHeart Dissection | **Circulatory System**Effect of exercise on heart rate pracRelate to other systems – compare to other species- sharks and grasshoppers to humans |
| 5 | 19th February |  | **Excretory System**How does the body process waste?Role of the excretory system and kidney function (Dr Karl video) | **Excretory System**Fake urine sampling and explanation of what is happening in each person’s body | **Nervous System**Introduction to nervous system-Parts of the system-Distinguish between central and peripheral nervous system |
| 6 | 26th February |  | **Nervous System**Neurons and the nervous systemStructure and function of a neuronDifferent types of receptors and the stimulus response pathways | **Nervous System**Reflexes pracModel parts of the nervous system - stile | **Nervous System**Brain – label key parts and function of the brainBrain dissection- teacher demonstration |
| 7 | 4th March |  | **Endocrine System**Introduction to the system examine hormones-brain -label key parts | **Endocrine System**Homeostasis-what is it-blood glucose levels-thermoregulation | **Immune System**Introduction to the immune system-measles outbreak-pathogens – video on 3 types of pathogens – stile- similarity and differences between bacteria, fungi and virusesSwab hands before washing and after washing on a petri dish to see bacteria growth |
| 8 | 11th March |  | **Immune System**Infectious diseases – stileInfectious disease prac (Stile 4.2)-compare infectious vs non-infectious-interpret data on common infectious diseases | **Immune System**1st Line of Defence – stile-main features of first line of defence-classify barriers as physical or chemical immune defence | **Immune System**2nd line of defence – stile-main features of 2nd line of defence-compare the first two lines of defence |
| 9 | 18th March |  | **Immune System**3rd line of defence – stile-explore how the third line of defence works-examine antibodies and memory cells-difference in response in first ad second time exposure-watch video - stile | **Revision** | **Revision** |
| 10 | 25th March | 29th March Good Friday | **EXAM** | **Toad Dissection** | **GOOD FRIDAY**  |