|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| **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 Constrictor  Jigsaw 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 capacity  Ways to improve respiratory system  Cellular respiration/diffusion and gas exchange  Effect 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 blood  Heart Dissection | | **Circulatory System**  Effect of exercise on heart rate prac  Relate 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 system  Structure and function of a neuron  Different types of receptors and the stimulus response pathways | | **Nervous System**  Reflexes prac  Model parts of the nervous system - stile | | **Nervous System**  Brain – label key parts and function of the brain  Brain 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 viruses  Swab hands before washing and after washing on a petri dish to see bacteria growth |
| 8 | 11th March |  | **Immune System**  Infectious diseases – stile  Infectious 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** |