|  |  |  |  |
| --- | --- | --- | --- |
|   |  Lesson title |  Success criteria |  check |
| Year 8: Biology – Microbes & disease | Infectious disease & pandemics | I can name the main forms of disease transmission with examples. |   |
| I can describe some symptoms of diseases. |   |
| I can name some diseases that affect people all over the world. |   |
| I can explain what a pandemic is, giving examples, both modern and historical. |   |
| Microorganisms | I can define a microorganism. |   |
| I can put viruses, bacteria and fungi in order of size. |   |
| I can set up a practical to grow microbes on an agar plate. |   |
| I can explain why we can sometimes see micro-organisms. |   |
| Bacteria | I can recall the structure of a general animal cell. |   |
| I can simply describe how a bacterial cell differs from an animal cell. |   |
| I can list some foods that are made using bacteria and relate it to reproducing bacteria. |   |
| I can describe the positive and negative effects of bacteria on the human digestive system and health. |   |
| Viruses | I can recall the 7 signs of life (MRS GREN). |   |
| I can recall the structure of a simple cell. |   |
| I can list the signs of life that viruses do not do. |   |
| I can describe differences between cells and viruses. |   |
| Fungi | I can name some fungi. |   |
| I can describe two ways that fungi are useful, and two ways that they are not useful. |   |
| I can list two diseases caused by fungi. |   |
| I can define respiration as the release of energy in cells. |   |
| Immunity | I can describe how microorganisms are transmitted from one person to another. |   |
| I can explain how natural defences protect us from microorganisms. |   |
| I can explain the role of white blood cells in fighting disease. |   |

**8B2 Microbes & disease**