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|  | 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**