

Curriculum Links for: ABPI Infectious Diseases and their Treatment

Key Stage 4 (Age 14-16)

Science

National Curriculum	Life Processes and Living Things Humans as organisms <i>Health</i>	2.22	the defence mechanisms of the body, including the role of the skin, blood and mucous membranes of the respiratory tract
---------------------	-----------------------------------------------------------------------------------------	------	-------------------------------------------------------------------------------------------------------------------------

GCSE Specifications

WJEC	Biology 3	B3 4a 4b 4c	<ul style="list-style-type: none"> Know that microbes include bacteria, viruses and fungi. A bacterial cell consists of cytoplasm, cell membrane and a cell wall. There is no distinct nucleus. Bacteria reproduce by dividing into two. Know that viruses are smaller than bacteria. They consist of a protein coat surrounding a small number of genes and can only reproduce inside a host cell. The production of new viruses results in the destruction of the host cell and the release of new viruses which can then attack new cells Know that yeasts are fungi. Yeast cells are larger than bacteria and have a nucleus, cytoplasm and a membrane surrounded by a cell wall. Yeasts reproduce by budding
------	------------------	----------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Applied Science

GCSE Specifications

WJEC	Applied Science (Double)	Unit 2 (a) 22	Science and Society <i>The human body and health</i> <ul style="list-style-type: none"> Know that infectious diseases may be caused by micro-
------	---------------------------------	---------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

			organisms and name some examples.
--	--	--	-----------------------------------

This web resource contains information on:

- **Pathogens which cause disease** – bacteria and its different types; fungi and pathogenic fungi; viruses, infection and prevention; protozoa
- **Immunity**
- **A bacterial disease** – meningitis: types, symptoms, epidemics, treatment, vaccinations
- **A fungal disease** – candidiasis
- **A viral disease** – SARS: symptoms, how it is spread, treatment, vaccine
- **A protozoic disease** – malaria: how it is spread, drug resistance, prevention, sickle cell anaemia links
- **Modern medicines of the world**
- **Appendix of diseases**