

# Human Health and Fitness - bacteria and viruses

## Infectious Diseases DVD

**NEW KS 4**

- A two-part programme that examines our knowledge of the causes and controls of infectious diseases:  
Part 1: Causes of infectious diseases, disease agents and disease transmission;  
Part 2: Controlling infectious diseases and the response to infection
- The programme ends with a note about the ongoing challenges we face in managing infectious diseases around the world
- Includes teachers' notes
- Running time: 30min

Catalogue No.  
DVD-200-160W

## Battle Scars - An Overview of Our Defence Against Disease DVD

**16+**

- Students investigate the human immune system and the defences of the human body against disease.
- The first line of defence: physical barriers against disease (skin and membranes); means of pathogenic entry into the body; composition of blood (including functions of main blood cells)
- The second line of defence: the non-specific immune response, inflammation, phagocytosis; the idea of 'self' and 'non-self' for tissue identification; complement proteins and cell markers
- The third line of defence: the highly specific immune response; B and T lymphocytes and antigens; the blood-based immune response; production/function of plasma and memory cells; the cell-mediated immune response; helper T-cells and suppressor T-cells; the effect of the HIV virus
- Clonal selection theory: rheumatoid arthritis, naturally acquired/induced active immunity, vaccines
- Running time: 31min

Catalogue No  
DVD-100-010D



## Viruses and Bacteria poster

**NEW KS 4**

- A survey of harmful bacteria and viruses
- Learn how to identify these agents and how they cause harm to humans
- Dimensions (w x h), mm: 875 x 575

Catalogue No  
YTH-170-010G



## ELISA Immuno Explorer™ kit

**NEW**

**16+**

- The kit facilitates teaching of the immune system, with particular attention to antigen-antibody interactions and the unique properties of antibodies that have revolutionised modern medicine, biotechnology and research
- This powerful antibody-based test is used to diagnose diseases such as HIV/AIDS and SARS and track pathogenic agents in water, food and the air, whether these emerge naturally or through acts of aggression
- ELISA is also used to identify Genetically Modified Organisms (GMOs), food allergens and the molecular markers of pregnancy and drug use
- Kit includes curriculum guides and instructions, teachers' guides and student manuals
- Each kit supports 48 students in groups of 2 to 4
- Complete each test in one, 45 minute class session
- Store at 4°C

Catalogue No  
RAD-100-010U

Accessories  
Catalogue No  
PMP-930-090F  
PMP-940-090V  
FB34531

Description  
Pipettor, variable volume, 40 to 200µL  
Pipettor, fixed, universal, 50µL  
Pipettor tips, universal, 1 to 200µL, pack of 1,000