

## Unit 5: Immunity and vaccination

### Teacher's notes

#### Introduction

This theory session will take the learner through the theory of the immune system and introduce the concept of immunity as being either active or passive.

Vaccination and its role in the prevention of disease will be covered and examples of common vaccination programmes are explained.

#### Key words

Innate components  
Induced components  
Cellular response  
Humoral response  
Neutrophils  
Macrophages  
Complement proteins  
Interferon  
Lysozyme  
Lymphocytes  
Antibodies

#### Resources

- Student's notes
- Video footage of subcutaneous injection as an example of vaccine administration
- Video footage of scarification vaccine against orf
- Video footage of, and oral vaccine administration, against lungworm

#### Learning activities to generate evidence that learning has taken place

- Drag and drop learner activity. Complete the immunity grid.