

## OPAL Tree Health Survey: Links to the School Curriculum

The OPAL Tree Health Survey is a new UK wide survey, which provides an opportunity for pupils to carry out a scientific investigation into a topic of high public, media and government interest. This is a safe, manageable and low cost activity, which can be used in many areas of the science curriculum and contributes pioneering research into pests and diseases threatening our national tree species.

### KS3 Science

3.3d All living things are interdependent, interacting with each other and the environment

4c Use real-life examples as a basis for finding out about science

4e Experience science outside the school environment

### GCSE Science

Limited information on plants in GCSE Science, aside from some detail about photosynthesis. 'Diseases' are only considered for humans. The topics of pests, agriculture and forestry are not directly mentioned. Ecology fieldwork is limited to tasks like pitfall trapping and sampling using quadrats.

### Edexcel Biology

B1 Binomial classification

3.8 Infectious diseases

3.9 Spread of pathogens

3.19 Parasitism

### AQA Biology

B2.4.1 Distribution of organisms - fieldwork

### OCR 21st century Science

B3.4.4 Effect on living organisms of competitors, predators and disease

B3.4.6 Extinctions caused by human activity (both direct and indirect)

B3.4.7 Maintaining biodiversity

### Further Biology

B7.3.2 Parasitism

B7.3.4 Impact of parasitism on plants

### OCR Gateway Science

B2a Classification

B2c Recycling (e.g. of dead plants)

B2d Interdependence (weeds; parasites)