

Lesson Plan for the University of Reading's Tropical

Glass House On-line Learning resource

Student Learning Objectives for this lesson:

- To begin to understand species interaction with a focus on adaptation
- Revision of key environmental topics including climate change and ecosystems

Connect – 10 minutes

Ecosystems:

A post-it note exercise based on the components of an ecosystem; each pupil is handed a post-it note by the teaching staff and asked to write one component they think is involved in an ecosystem. The post it notes are swapped with other pupils via the teacher and then each pupil in turn is asked to read out the component on their post-it note, the teaching staff should then review and explain the reasons and details of that component.

Activate – 10 minutes

Use a projector to show the pupils how to firstly access the on-line learning resource and secondly how to play the videos required to answer the questions. Alternatively the videos could be played on the projector for the whole class to see. Hand out pre-printed worksheets available free in PDF form to pupils and explain how to fill them in. Explain that the pupils are to complete the corresponding worksheet after they have seen each video and that they will have 10 minutes to watch each video and answer the questions.

Demonstrate – 35 minutes

The pupils are to work through the videos and the corresponding worksheet in the correct order, advice and guidance to be given whilst visiting each pupil in turn to ensure they are carrying out the work correctly answer any queries. The worksheets should be marked for the next lesson and reviewed with the class.

Review – 5 minutes

Worksheets to be collected in by the teacher making sure that the pupils have written their names on the sheets. A run through of key points which the pupils should have taken from the exercise should be carried out whilst asking pupils to contribute the key points. Set the included independent learning task and hand out the worksheet available in PDF form, and explain the task.

Independent Learning

An independent learning worksheet which asks pupils to consider how Zebra Danios could be used to help prevent the transmission of Malaria in the Himalayan regions using the information gained from the videos. A long answer filling a page is requested and will be handed in for the next lesson.