

Geography – ecosystems: rainforests Classroom activity pack

This pack contains a series of activities for you to complete with your class both before and after your visit to Kew.

You may choose to do all the activities or just select one. Post-visit activities are intended to build on the learning from the educational session at Kew. The resources can be used on a whiteboard or can be printed.



KS4 Geography – Ecosystems: rainforests

Thank you for booking the Geography – ecosystems: rainforest education session at Kew. You can use the pre-visit activity to support your pupils' learning.

Ahead of your visit, your pupils could answer the question below. They can tell us about their answers when they come to Kew.



Question:

In 2019, a team of Kew scientists carried out drone surveillance in Madagascar, collecting aerial images of the rainforest. Suggest reasons why they carried out this survey, and how the images they have collected could be used.

More info for teachers:

The purpose of the drone surveillance project was to map areas where illegal deforestation has occurred in the Madagascan rainforest, and to assist local charities in preventing further illegal deforestation.

You can read the blog written by Jenny, one of our Kew scientists here:

<https://www.kew.org/read-and-watch/see-beyond-the-trees>

KS4 Geography – Ecosystems: rainforests

In 2019, a team of Kew scientists carried out drone surveillance in Madagascar, collecting aerial images of the rainforest.

- ❓ Suggest reasons why they carried out this survey, and how the images they have collected could be used.



Tim Wilkinson heading out to launch the drone with local Madagascan people.
©RBG Kew



Drone images showing a rainforest area that is currently still intact, and an area that has been deforested illegally. ©RBG Kew

KS4 Geography – Ecosystems: rainforests

We hope that the teaching session assisted in developing the skills and knowledge of your pupils and provided them with an insight into the amazing plants and world-leading plant science at Kew.

Following your visit, you can use the post-visit activity to further support your pupils' learning.

Pupils could answer the question below and carry out the following activity.



Question:

How can rainforest resources be used in a sustainable way?

Pupils could research agroforestry practices and explain how they might be more sustainable than other farming practices.

Pupils can look on the Kew website to find out about some of the agroforestry projects that Kew is involved in.

This research could be completed as homework.



How can rainforest resources be used in a sustainable way?



Post-visit Pupil activity

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Kew is involved in projects that focus on agroforestry practices in farming communities.



Research some examples of agroforestry practices and explain how they could be more sustainable than other farming practices.

Intercropping

Home gardens

Silvopasture

Alley cropping