

## Evolution and adaptation 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. Many of the resources can be used on a whiteboard or can be printed.



## Pre-visit teacher notes

### KS4 Evolution and adaptation

Thank you for booking the Evolution and Adaptation 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.



Scientists at Kew have been investigating a variety of species of Amorphophallus plants growing in the rainforest. They have found that the many species' flowers have a range of different odours including the smell of chocolate, bananas, cucumber, cheese, dead rats and fish.

Suggest why the various species of Amorphophallus plants have evolved to produce flowers with different odours.

More information about this research can be found at:

<https://www.kew.org/read-and-watch/amor-phew-phallus>



## Pre-visit pupil activity

## KS4 Evolution and adaptation



Scientists at Kew have been investigating a variety of species of *Amorphophallus* plants growing in the rainforest. They have found that the many species' flowers have a range of different odours including the smell of chocolate, bananas, cucumber, cheese, dead rats and fish.

Suggest why the various species of *Amorphophallus* plants have evolved to produce flowers with different odours.



An *Amorphophallus titanum* plant growing at Kew.

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