

AEC Routemaster: Yr6 transition project

The AEC Routemaster is an iconic design and is often associated with London.

The open back meant that it was easy for passengers to hop on and off between stops and was right next to the stairwell leading up to the top deck. The cab at the front was a half cab because, unlike the buses we are familiar with, the Routemaster had a conductor who would collect your fare from you at your seat.

Task 1:

Search on Wikipedia under 'AEC Routemaster' and answer the following questions:

1. What does AEC stand for?
2. When was the first prototype completed?
3. When was the last Routemaster withdrawn from regular service?
4. Who was the Routemaster built for?
5. What was the positive about having a conductor?
6. What was the negative about having a conductor?
7. Other than the Routemaster, give two examples of the Britain's top ten design icons
8. When did the new Routemaster enter service?
9. Who did the styling for the Routemaster?
10. What material was the body of the Routemaster made of?



Task 2:

Identify the main differences between the original and remodelled Routemaster designs.

Extension task:

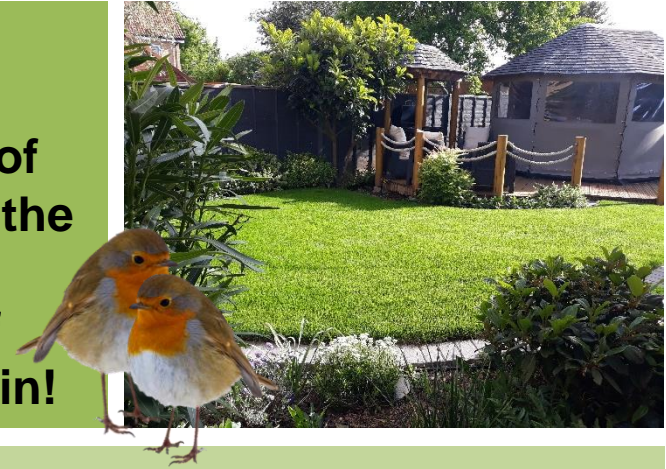
Imagine that you have been given an old style Routemaster to re-design the interior of for a band who want to tour in it. Draw floor plans for the two floors to show where you would put the accommodation, remembering to include facilities for sleeping, eating, washing and relaxation.

Wildlife design: Yr6 transition project

Situation 1:

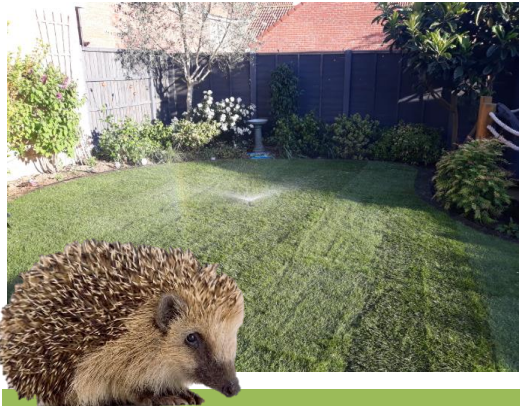
In my garden, I have a gazebo and barbeque shelter which is lovely to use in sunny weather but the BBQ is currently out of action because there is a family of robins nesting on the inside ledge of the roof! It is a very good job that we saw the nest before firing up the BBQ last weekend!

Whilst it is a lovely thing to have them in the garden, I think it would be better if they nested somewhere safer and more suitable so that we can eat outside again!



Situation 2:

In the opposite corner of the garden, where the olive tree and bird bath are, I saw a hedgehog the other evening when I was out late watering the new turf. I can't remember the last time I saw a hedgehog in the garden and thought how nice it would be if I provided some sort of hedgehog hotel where I saw it so that it might be tempted to live there.



Task: Can you come up with a design for either of these situations?

A bird house that could be attached to the fence or wall would be an ideal solution to the BBQ situation or a hedgehog hotel so that my prickly friend has somewhere to stay and hibernate in winter would be great.

Draw your design ideas on a plain piece of paper and annotate them with the materials you would use to make it, the dimensions, features, and any fixing methods needed. If you would like to add colour for realism, that would be great.