



WILD PLANET TRUST

**Upper KS2 -
Plan a new enclosure**

Science and maths

Plan a new enclosure

Learning Intention

We are designing an enclosure for a zoo animal, using what we have learned about its life cycle.

Introduction

One of our keepers, Rob, would love to look after okapi. We've chosen an area where we can keep the okapi – but they will need a brand new house and outdoor area. We are going to help Rob plan a new enclosure for 2 female and 1 male okapi.

Your Task

- ◆ Produce a poster to show your group's design for a new okapi enclosure
- ◆ You'll need to give people an idea of what the enclosure will look like, and how it will suit the visitors and the okapi
- ◆ Use the plan provided to sketch out where you would put each fence and the viewing points
- ◆ Show your classmates the finished poster, and explain the design you have chosen

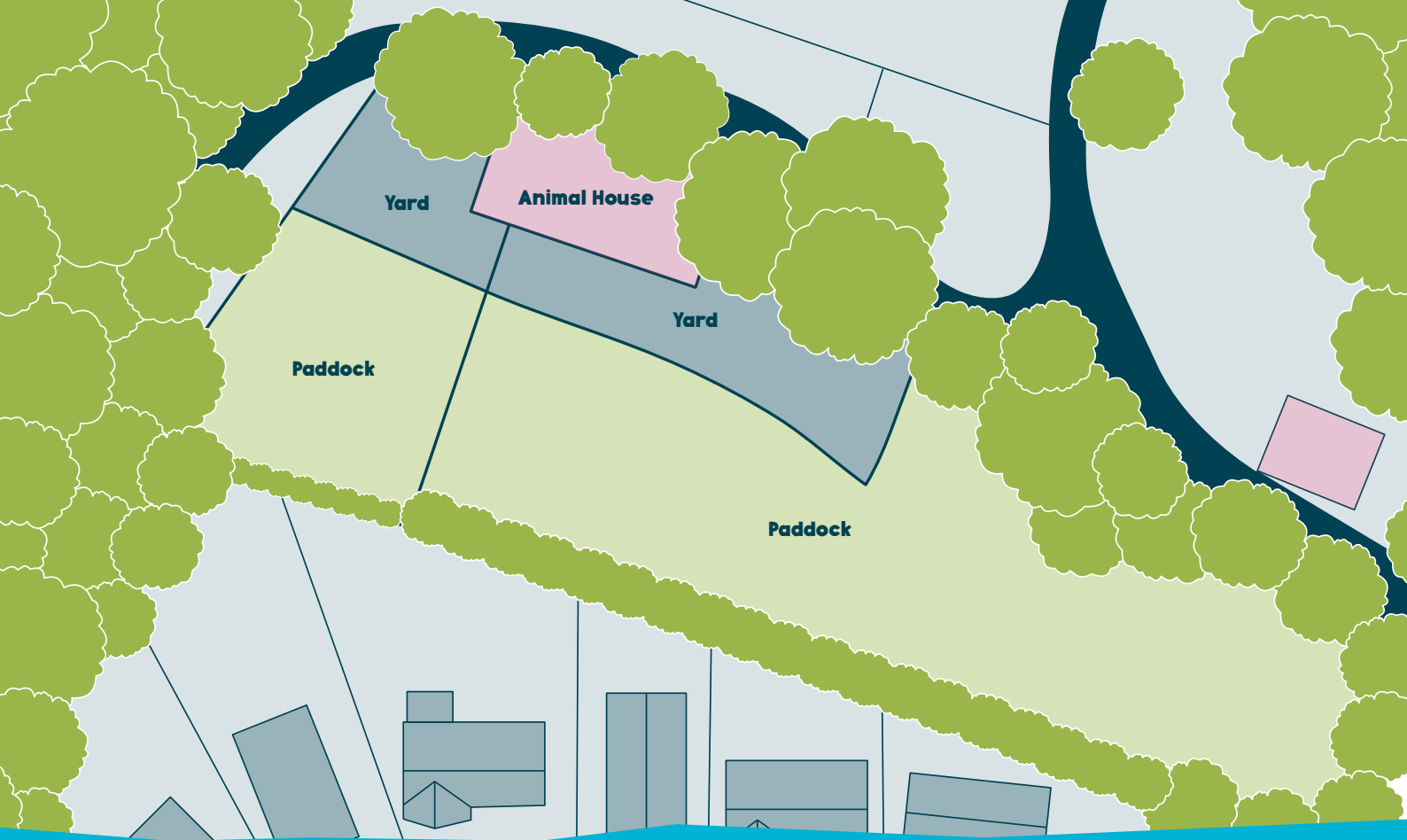
How much would it cost?

You can calculate a rough cost for your new enclosure using these figures provided by our maintenance team:

- ◆ A 2 metre high fence made of 'chainlink' costs £38 per metre length
- ◆ A 1.2 metre wide gate made of metal and chainlink costs £450
- ◆ A wooden building would cost £200 per square metre. The land available is approx. 130 metres long, and 30 metres wide narrowing to 20 metres



Photo: the area of the zoo we could develop for okapi, currently split into two paddocks and two yards, with an old brick animal house.



Map of area surrounding proposed okapi exhibit

Tips

- Okapi are shy, solitary rainforest dwellers. This means that they need to be housed separately from each other, in a quiet area of the zoo, away from loud noises and busy roads
- We could add plants to their enclosure to help them feel more relaxed, and to show them in a more realistic setting
- At other zoos, okapi spend a lot of their time indoors – particularly in cold weather. We need to plan a large, practical indoor area where our visitors can see okapi but the keepers can care for them safely and practically
- The cheapest way to house the okapi would be a shed in a field, but making the enclosure more attractive and adding theming will help our visitors understand what okapi look like in the wild. Planting and barriers will help the okapi feel safe and relaxed, and may help them breed
- The keepers will need gates and passages to move okapi between enclosures, and a safe way to get in to clean and maintain without the okapi escaping