Animal art — Design an Enclosure

**Activity 1**

A lot of planning goes into the design of a new enclosure. Zoo staff will meet and discuss the different requirements of an animal and research what the animal needs to live a happy and comfortable life at the zoo, keeping in mind the five needs for good animal welfare:

- need for a suitable environment
- need for a suitable diet
- need to be able to exhibit normal behaviour patterns
- need to be housed with, or apart, from other animals
- need to be protected from pain, suffering, injury and disease.

An example below shows what requirements Zoo staff would look at for an Amur Tiger enclosure design:

<table>
<thead>
<tr>
<th>Animal</th>
<th>Indoor/Outdoor ratio</th>
<th>Material for outdoor area</th>
<th>Plants</th>
<th>Water</th>
<th>Barriers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amur Tiger</td>
<td>Sleeping den inside</td>
<td>Grass, Logs to climb</td>
<td>Shrubs for hiding</td>
<td>Small pond to bathe in outside</td>
<td>High level security – very dangerous animal</td>
</tr>
<tr>
<td></td>
<td>Large outdoor area with dens to hide</td>
<td>Den to hide, Den to hide</td>
<td>Trees for scratching poles</td>
<td>Water to drink inside &amp; outside</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:4 ratio</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In groups, imagine that you are designing an enclosure for another animal at ZSL London or ZSL Whipsnade Zoo — for example you could design an enclosure for a brown bear, lion or common hippopotamus.

Complete a table like the one above, and draw an aerial design of your enclosure on 1cm x 1cm graph paper. Make a scale for your drawing.

**Activity 2**

When working with architects, zoo staff like to see what the enclosure will look like to imagine it in the zoo.

Make a 3D model of your enclosure using materials found around your school grounds.
Activity 3
ZSL scientists and zoo staff also work throughout the world ensuring the protection of the animals and their habitats in the wild.

Many animals are under threat in the wild, due to things such as poaching, habitat loss and disease.

Here at the zoo we make posters to give the public information about the animals and the threats they face in the wild, as well as what the public can do to help protect them.

Create a poster that could be displayed at your enclosure.

In your poster you should have information about the animal, why this animal needs protection and what your school could do to help protect that animal in the wild.

Present your enclosure and poster to the class!

Extension Activity

Imagine that you are the animal seeing your new enclosure for the first time. Write a letter of “thank-you” to the designer and explain what you like about your new home.