

A visit to San Diego Zoo

This is an extracurricular activity for you to do before you start at Unity College, if you submit this work to Mrs Hargraves you will gain a Bronze CREST award, find out more about CREST awards here.

This will take around 10 hours to complete

<https://www.crestawards.org/crest-bronze>

The aim of this project is to

1. Understand the purpose of a zoo
2. To be able to apply scientific knowledge vital to the conservation of animals, plants, and habitats

Getting started this will take 1 hour

First of all go to

<https://animals.sandiegozoo.org/live-cams>

- **Spend some time visiting the different enclosures and finding out about the animals**

Now visit

<https://kids.sandiegozoo.org/videos>

- Watch any videos that interest you.

Task 1 this will take 30 mins

- **Pick an animal to focus on**

I'm going to focus on

My animal's binomial name is

Check the status of your animal on the ICUN red list

What is the ICUN red list?

What is the status of your animal?



Task 2 this will take 2 hours

- **Create a poster about your animal**

Success criteria tick list

- Include several images of your animal
- What country is your animal originally from?
- What habitat does your animal live in?
- What is its conservation status?
- How many individuals are left in the wild?
- What adaptations does your animal have to survive in its habitat?
- What does your animal eat? Can you draw a food chain that your animal is in?
(Stretch - can you draw a food web that your animal is in?)
- What are the biggest threats to your species?
- What can we do to ensure that we protect them?
- 3 Fun facts about your animal

Task 3 this will take 2 hours

- **Design a perfect enclosure for your animal.**

Success criteria tick list

- What should the ground be like?
- Should there be a river, pond or no open water?
- What plants should there be in your enclosure?
- How big is your enclosure?
- How will you keep your animals entertained? This is called enrichment.
- How the public view your animals?
- How will you educate the public about your animal?
- How many males/females will you have? Research this, make sure it's safe!
- Can you have any other animals in your enclosure? (for example, rhinos and giraffes can be kept together)

Task 4 this will take 2 hours

- **Design a conservation arboretum or Botanical garden.**

Success criteria tick list

- Research arboretums and botanical gardens choose which to build.
- Will you have an outdoor or indoor garden. (or both)
- Will your garden have zones if so, what will they be?
- What trees should be chosen in line with conservation guidelines.
- Which plants will you include and where will they go?
- Include pictures and details about the plants you choose.
- How will you increase visitor understanding of the role of plants in our world?
- How will you keep your plants watered and healthy?
- You could try this garden design website. <https://my-garden.gardena.com/uk>

Task 5 this will take 2 hours

- **Design a leaflet to educate people about the conservation status of one of the plant species in your garden.**

Success criteria tick list

- Include several images of your plant
- What country is your plant originally from?
- What habitat does your plant live in?
- What is its conservation status?
- How many individuals are left in the wild?
- What are the biggest threats to your species?
- What can we do to ensure that we protect them?
- What adaptations does your plant have to survive in its habitat?
- Can you draw a food web that your plant is in?)
- 3 Fun facts about your plant

Have I got my CREST award?

- I have designed an informative poster about an animal from San Diego Zoo
- I have designed an enclosure for an animal
- I have designed my own garden or arboretum
- I have designed a leaflet about a particular plant in my garden or arboretum.

If you have completed all 4 pieces of work, submit them to school FAO Mrs Hargraves or n.hargraves@unity.lancs.sch.uk.