

## DESIGN A CONSERVATION PROGRAMME

**Who is it for?** 14-16 year olds

**How long will it take?** This is a project to be run over 2-3 lessons, or as a homework project.

**Learning outcomes:** Students learn about the importance of biodiversity and the need for conservation, the fine balance of an ecosystem, the impacts of human activity, and the economic benefits and services an ecosystem can provide.

**What do you need?**

Teacher resources:	Student resources:	Other resources:
<ul style="list-style-type: none"> <li>- Teachers' notes</li> <li>- Introducing the topic ppt. file</li> <li>- Exploring www.arkive.org ppt. file</li> </ul>	Student briefing packs, for each group of 3 students, containing: <ul style="list-style-type: none"> <li>- Cover sheet</li> <li>- Worksheet: Getting started</li> <li>- Worksheet: Doing research &amp; generating ideas</li> <li>- Worksheet: Things to think about</li> <li>- 4 x case studies</li> <li>- Student planning sheets (multiple)</li> </ul>	<ul style="list-style-type: none"> <li>- Internet access (unless setting the research as a homework activity)</li> <li>- Pens and paper to take notes</li> <li>- Presentation equipment e.g. access to PowerPoint or paper, pens and other apparatus required to make posters</li> <li>- Blu-tack</li> </ul>

**What is it all about?** The teacher introduces students to biodiversity and the concept of ecosystem services - the services and benefits provided by the different players within an ecosystem. Students then work in groups of 3 to design a conservation programme which both conserves an endangered species and provides an economic benefit for the region.

Using the worksheets provided, and through access to [www.arkive.org](http://www.arkive.org) and other online or library resources, the students will balance the pros and cons of their ideas, assessing the impacts of their activity on individual species and on the ecosystem as a whole.

Each group will put together a proposal for a conservation programme, which they will present back to the class. The class will discuss the merits of each proposal.