

Real Cool Futures Science Lesson Chunk

Subject area links: Science (Biology)

Age group: KS4

Timer: 15 minutes

Why do this:

Students need to know about where studying science can lead them. Many scientists will be involved in new developments in technology and science that will help us to protect our environment. This lesson chunk could be used in a Land and Environmental Science course, or in Biology when looking at human impact on the environment.

Activity:

- Show students a picture of a waterside environment.
- Ask students what living organisms might be found here (plants, fish, insects, bacteria, etc).
- Next ask students what humans might do that harms environments like this (pollution, building, litter).
- Either log on to www.realcoolfutures.com and find Sarah Bardsley (click on the People Power category) or, if you do not have internet access, use photocopies of the information sheet (below).
 - o Explain that Sarah works for the Environment Agency, whose main aim is to protect and improve the environment in England and Wales.
 - o Go through what Sarah does for a job. Ask students to identify what skills Sarah has - these could be underlined if using the information sheet.
 - o Finally, ask students what solutions Sarah might come up with for the problems that were identified in the picture.
 - o Students could find out more about jobs that help the environment by logging on to www.realcoolfutures.com.

