



DISCOVERING MULTIPLE BENEFITS IN NATURE

CONCRETE TREE SCENARIO (10 mins)*

Consider the proposal from ACME Solutions to create a modern forest for a modern world and their request to you for an Environmental Impact Assessment.

OBJECTIVE

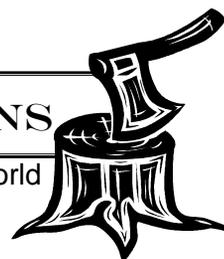
Discover that nature provides multiple benefits

KEY COMPETENCIES

- Enquiry and coping with uncertainty
- Analysing information
- Using initiative
- Communicating ideas
- Reflecting & Evaluating

ACME SOLUTIONS

A modern forest for a modern world



These concrete trees from Kazakhstan are for illustration purposes only.

ENVIRONMENTAL IMPACT ASSESSMENT

This is an assessment of the possible positive or negative impacts that a proposed project may have on the environment. It is used when deciding whether to proceed with a project

IM2 Presentation
IM3 Proposal



*Activities will be covered during the Introductory Module at Epping Forest Field Centre



DISCOVER

CURRICULUM LINKS

Geography and Biology

- Sampling techniques can be used to investigate the relationship between organisms and their environment
- Understand that humans depend on natural ecosystems to provide 'ecosystem services'.
- An ecosystem is made of living organisms and the physical factors. The parts of an ecosystem interrelate.

ENVIRONMENTAL IMPACT ASSESSMENT (20 mins)*

Use biological testing equipment to complete an Environmental Impact Assessment of the proposal to replace natural trees with concrete trees.

Assessments to be included should be:

- Benefits associated with leaves on the trees (if any)
- Benefits of the branches and trunks (if any)
- Benefits of the roots (if any)
- Benefits of dead leaves, twigs, nuts, berries and all the other 'messy stuff' on the floor (if any)
- Any other reasons that natural trees may have hidden benefits over concrete trees



IM4 and IM5 Worksheets



REPORTING BACK (5 mins)*

Critically examine the implications of the proposals;

- What are the benefits of the trees?
- Would concrete trees be an appropriate replacement?
- What impacts would there be with concrete trees?
- Using the findings, should the landowners replace the forest with concrete trees?



REFLECTION (5 mins)*

You have discovered that there are Multiple Benefits in nature. Add notes to the Reflection sheet and chart your progress on the Learning wall.

Visit the Share page of www.lessonsfromnature.org to comment on the activities you have taken part in.

The Multiple Benefits insight can also be found in the human world. Explore the insight further by taking part in Understanding Multiple Benefits activities.

