

# STUDY MODULE: KOLI LANDSCAPE

The NEED project Study module on Koli National Park consists of new indoor and outdoor activities, handbooks for teachers and guides, and materials and equipment related to the module. The study module is developed at the University of Eastern Finland, Joensuu. This introduction is written by Seija Juntunen.

More info about Koli National Park and its' Visitor Centre Ukko: <http://www.luontoon.fi/koli>.

## Study module

'Koli landscape' concentrates on landscapes and how and why landscapes form and change.

### Pedagogical background:

The pedagogical philosophy of this study module is based on the idea of linking geology to society and the environment. The module develops thinking, learning and problem-solving skills and information management skills. Instruction relies on an investigative, problem-centred approach.

### Objectives:

The main objective is to learn to understand how and why landscapes form and change.

### Level and curriculum links:

The study module is designed for 5-6<sup>th</sup> and 9<sup>th</sup> grades; which means 11-13 and 15-16 year old pupils. In the 5-6<sup>th</sup> grades, the module is linked to Biology and geography, while in the 9<sup>th</sup> grade, to Geography.

### Time required:

The module's exercises at school before visiting the Koli National Park take 1-3 hours, then 2-4 hours of exercises in Koli, and 1-2 hours again at school after the visit.

### Activities / tasks in the learning process:

#### Topic orientation at school before the visit

1. Picture analysis: Elements of the landscape
2. Finnish landscapes
3. Different landscapes in different parts of Finland
4. Classifying landscapes, concept of landscape
5. Aesthetic values of landscapes
6. National landscapes
7. Koli as a national landscape

#### At the Visitor Centre of Koli National Park

8. Short orientation on the topic of landscape
9. Maps representing landscapes
10. Problem-solving: How and why landscapes form and change?
  - a) Natural processes shaping the landscape
11. Illustrating geological time using a rope
12. How and why landscapes form and change?
  - b) Humans changing the landscape
13. Looking to the future: Koli landscape in 100 years' time

