

## Programme : NATURE PROTECTION, A FOUR-YEAR EDUCATION

The programme consists of:

- **general subjects** – equal in all four-year education programmes + common modules in the biotechnical fields: Sustainable development, Informatics and business communication, Entrepreneurship and marketing
- **professional part** – it is based on **5 compulsory and one optional module**
- **open curriculum** – 20% of the contents are determined by market needs and students' questionnaires – this year we offer **2nd foreign language, plants usability, economic geography and preparation for the 2nd unit of the four-year programme vocational final exam.**

Professional part of the programme

- **COMPULSORY MODULES:**

1 <sup>st</sup> year	2 <sup>nd</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year
<b>ECO-SYSTEMS, ACTIVITIES IN SPACE AND ECO-REMEDATIONS</b>	<b>ECOLOGICAL ANALYSES AND MONITORING</b>	<b>MANAGEMENT OF NATURAL RESOURCES OF ENERGY AND THE RESIDUES</b>	<b>PROTECTION OF NATURAL VALUES</b>	<b>NATURE PROTECTION, LEGISLATION AND ETHICS</b>
220 hours	220 hours	173 hours	220 hours	102 hours
<ul style="list-style-type: none"> <li>• Learning about various eco-systems and their processes.</li> <li>• Learning about organisms and their registering on terrain.</li> <li>• Individual spatial activities' impact on nature and its processes.</li> <li>• Preparation of suggestions for the reduction of harmful influences on nature.</li> <li>• The recognition of non-indigenous species and measures against them.</li> <li>• Doing maintenance activities on water learning pathways, in outdoor classroom and in melliferous garden.</li> <li>• Preparation of ecoremediation suggestions –</li> </ul>	<ul style="list-style-type: none"> <li>• Conducting chemical analyses of water, air and soil.</li> <li>• Conducting biological analyses of water, air and soil.</li> <li>• Learning to conduct analyses on terrain and in a laboratory.</li> </ul> <p>• <b>Project work: Monitoring of water characteristics</b></p>	<ul style="list-style-type: none"> <li>• Recognizing natural opportunities of our own environment and possibilities of their use in order to live in nature friendly ways.</li> <li>• Learning about possible use and possibilities to use renewable sources of energy, and impact on nature.</li> <li>• Taking measures of efficient use of energy in its own environment.</li> </ul>	<ul style="list-style-type: none"> <li>• Registering of natural values and protected areas in local and school environment with the help of data bases in the field of environmentalism.</li> <li>• Preparing suggestions for protection and promotion of natural values.</li> <li>• Learning to harmonize the interests of various groups.</li> <li>• Preparing nests for various organisms.</li> </ul> <p>• <b>Project work: for ex.: natural</b></p>	<ul style="list-style-type: none"> <li>• Learning about usable nature protection legislation.</li> <li>• Using practical examples and reading literature to reflect on ethical behaviour in environmentalism and in life in general.</li> </ul> <p>• <b>Project work: Search for examples of</b></p>

<p>natural ways of correcting degradation mistakes.</p> <hr/> <ul style="list-style-type: none"> <li>• <b>Independent research: My wetland.</b></li> </ul>	<p><b>in local environment and data evaluation.</b></p>	<ul style="list-style-type: none"> <li>• Preparing energetic registries in its own environment.</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Project : promotional spot production on the subject of the renewable resources of energy, efficient use of energy and waste.</b></li> </ul>	<p><b>values promotion, points of nature protection at BC Naklo.</b></p>	<p><b>good practice and their analysis.</b></p>
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- **OPTIONAL MODULE** – In the fourth year pupils can choose between the subjects *Technology of renewable resources and their impact on the environment, Acquirement of biodiesel, biomass, biogas* and *Guidance in the countryside* – they choose **Guidance in the countryside**.

<p>4th year</p>
<p><b>GUIDANCE IN THE COUNTRYSIDE</b></p>
<p>168 hours</p>
<ul style="list-style-type: none"> <li>• Preparations for guiding various groups in the countryside.</li> <li>• Guiding groups of our centre's guests over the estate.</li> <li>• Guiding groups of pupils throughout the near-by school surroundings.</li> <li>• Preparations of nature protection, tourist offer - guiding in the countryside.</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Project work: terrain research with independent preparation and guiding.</b></li> </ul>



## How is education process carried out?

The education process is divided into theoretical and practical form, which means pupils **research, work and promote their work** (protection of nature) **independently**. In the 3<sup>rd</sup> year a special emphasis is given to **PROJECT WORK**. That's how the pupils are being introduced into service or product for the 4<sup>th</sup> unit of the four-year programme vocational final exam.

Field work is carried out throughout the **school surroundings** and in the local environment. Topics are being enriched by examples of good practice from **school excursions** and **additional terrains**.

**Practical lessons** are carried out in school within the framework of the module, once a week in a **two-month period as a form of internship in employers' institutions** (possibly in partnership schools from **abroad**).

**Training in foreign countries**– for the time being we have been cooperating with similar schools in Norway and France and with a biosphere park Nockberge in Austria.

1. **The educational process lasts four years and it ends with the four-year programme vocational final exam.**
2. **Possibilities for further education:** pupils who pass the four-year programme vocational final exam can enroll into two-year higher vocational colleges or schools with three and four-year tertiary education non-university study programmes. Providing the pupils pass the fifth subject of the general four-year programme final exam they can enroll into most of the university study programmes.