

## BotSTEM – Erasms+ KA2 Project

2017-1-ES01-KA201-038204

### Good practice template

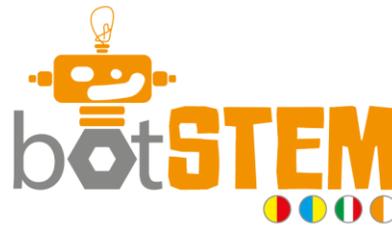
<b>1. Title of the activity / practice</b>	<b>Life cycles (butterflies, spiders)</b>
<b>2. Origin of the activity</b>	A primary school teacher Vesela Bogdanovik lesson plan (copy right material). Link to the webpage the activity was taken from <a href="http://sitezazemjata.ucoz.com/index/kade_i_kako_se_ra_aat_pa_achi_ata_ko_marcite_peperutkite_i_zhabite/0-84">http://sitezazemjata.ucoz.com/index/kade i kako se ra aat pa achi ata ko marcite peperutkite i zhabite/0-84</a>
<b>3. Age of the students</b>	5- 7 years old students
<b>4. Target group (type of the learners, size of the group)</b>	Can be any. These type of activities are best used integrated with other lessons (biology, life skills, languages).
<b>5. School subjects + topics concerned</b>	Science
<b>6. Educational goals of the practice</b>	<ul style="list-style-type: none"> <li>- Students will learn about life cycles, about transformation, metamorphosis, the miracle of birth.</li> <li>- They will learn about natural habitats, the environment.</li> <li>- An awareness will be raised about environment protection, about what being eco warrior is/ means, about pollution and how to help organize events to prevent further damage.</li> </ul>
<b>7. Duration</b>	Depends on the conditions/ aims/ preparation
<b>8. Place</b>	Outdoors (in nature) : near a river, swamp , lake, etc.



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<p><b>9. Short description of the activity</b></p>	<p>The children and the teacher go to the nearest pond lake/ swamp/ river. This might take some preparation if children live in an urban area where there are no parks (or ponds). It can be done in coordination with the parents/ other teachers/ can be an educational school trip.</p> <p>They bring magnifying glass, jars, plastic pots etc. The teacher explains that no animals should be harmed and everything will be put back where they belong after they had observed.</p> <p>The teacher gives instructions:</p> <ol style="list-style-type: none"><li>1 Children can ask about what interest them but also speculate and give suggestions</li><li>2. Children write down what they want to learn or read more about</li><li>3. Children ask each other questions first before they ask the teacher who is a partner</li></ol> <p>NOTE: How the activity will develop depends on what they will find there. In the case here larvae and caterpillars were found, observed and brought in the school yard because they can also leave there (next to a small pond). The characteristics are written down, questions are also written down.</p> <p>The teacher explains about life cycles, children watch videos about it, draw pictures, write a short story etc.</p> <div data-bbox="443 1318 938 1692"></div> <div data-bbox="976 1318 1438 1692"></div>
<p><b>10. Evaluation</b></p>	<p>The most important aim is to raise Ecological awareness and become empathic towards all living beings. This can be done by means of teaching children how wonderful and important all the animals/ insects/ creatures are. It also helps children formulate questions themselves, realise what they are interested in, and provokes them to inquire further and deeper.</p>



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<b>11. Materials / Resources / technical requirements</b>	Jars, plastic containers, magnifying glass, computer (LCD projector), paper, pens, colouring pens, markers
<b>12. Tips for educators / theoretical background (if applicable) or curriculum context</b>	<p>This is an excellent activity for all the children. It appeals to their natural curiosity and the wish to understand. Although it takes careful planning and preparation it is well worth the effort. (words by the author Vesela Bogdanovik)</p> <p>This activity is very good for mixed ability classes and SEN children as they can always call for support and help and moving around also helps a great deal in creating good group dynamics.</p> <p>Links to videos with relevant content</p>