

SCIENCE FOR THE YOUNGEST

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Butterfly's journey

This project promotes outside learning. It takes place in the school garden, park or the forest. The observation of butterflies takes place inside – insectarium or classroom.



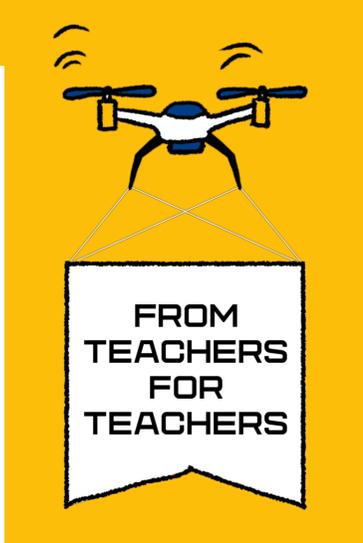
In this project, pupils get familiar with the evolution of butterflies and the way of their life. This theme is integrated into basic educational areas and aims at explorer approach, problem-solving and experimenting which increase natural curiosity. The children with different interests and ages cooperate with each one and another.

A PATHWAY IN THE SCHOOL GARDEN

The pathway consists of stations where there are prepared few tasks for students from 4th to 5th grade:

1. LANGUAGE AND LANGUAGE COMMUNICATION
2. A HUMAN AND HIS WORLD
3. MATHS APPLICATION
4. A HUMAN AND CULTURE
5. A HUMAN AND HEALTH
6. A HUMAN AND WORLD OF WORK
7. INFORMATICS





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The Project – A butterfly pathway in the school garden may be used as a whole for teaching about butterflies.



The manual for observing the development of butterflies from caterpillars to adults you can use in exploring directly in the classroom or around the school.

Find a few caterpillars on nettles, pick them up and put it in caterpillarium. Afterward change nettles regularly and observe caterpillars evolving. Pupils should record temperature which should be compared with butterfly evolving.

- Pupils can practise word classes with this theme (the development of butterflies). They make sentences using codes. They can also practise vocabulary relate to butterflies in english lessons.
- Pupils can order phases of the development of butterflies in the field called a human and his world.
- Butterflies can be used to practise axial symmetry, logical contemplation and combinatorics in maths.
- We can use chromatography to make colourful butterflies with our upils. It is a part of a human and culture field.
- Pupils can also practise their movement skills together by recognizing butterflies and flowers in field a human and health.
- Some physical experiments (for example – making simple kaleidoscope, butterfly paper weight or flying butterfly) are a part of field called a human and world of work.
- We can enrich the curriculum of computer science with preparing a butterfly's pathway for ozobots. This pathway can be also cut in grass in the school garden.

