

SHAPES AROUND US

LESSON OBJECTIVE: Exercise attentiveness and imagination. Experience the topic of geometrical shapes in practice.

AGE: kindergarten, 1.-5. grade of primary school, **TIME:** 20–45 minutes, **PLACE:** school surroundings, **SEASON:** year-round, **TOOLS:** worksheets, pencils, writing pads



1. ESTIMATION

We start by letting children think about the topic: *Where there are more regular shapes – in the city or in nature? What shapes we rather find in the city and what shapes in nature? Children write down their estimates.*



2. SHAPES IN THE CITY

Children usually like searching for shapes in the city. It is possible to find a cube or a cuboid of enormous dimensions! We can look at buildings, traffic signs, bus stops... and search for both flat and solid shapes. The pupils can work with simple worksheets and check off the shapes they found or they can draw them.



3. SHAPES IN NATURE

Children often consider searching for shapes in nature more difficult, therefore we can help them in the beginning. For example we can look at the shapes of treetops, trunks, stumps, leaves, cones, stones.

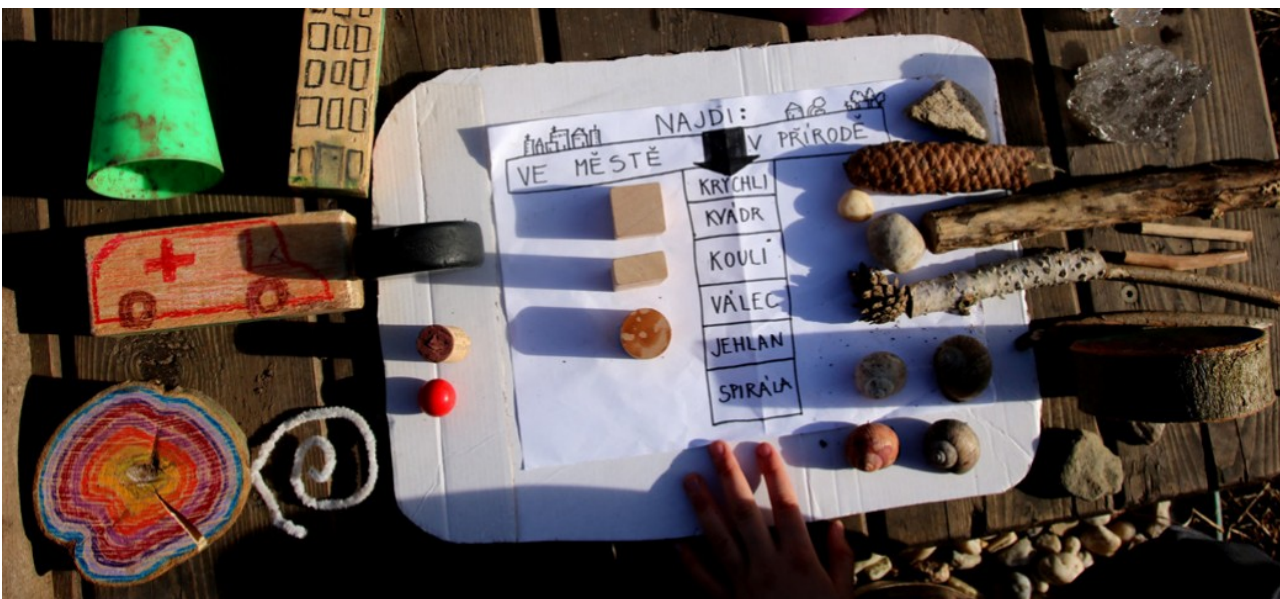
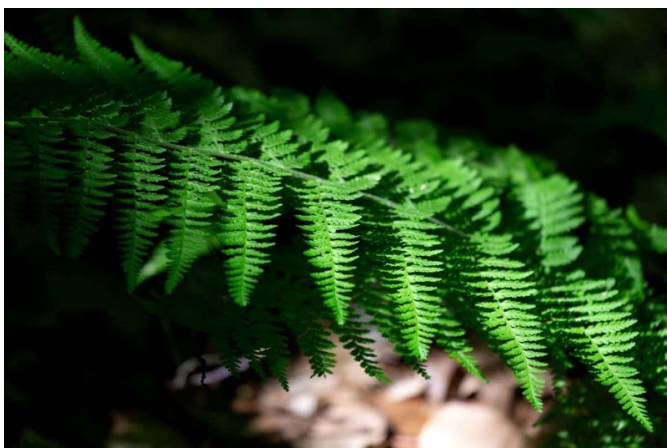


The pupils can bring smaller objects, show them to each other and put them down on the worksheet.

4. COMPARISON

At the end of the lesson, we look back and compare our previous estimates with what we found. What shapes are more frequent in the city? What in nature? Perhaps the children have more questions. We try to find answers together.

If we have more time, we can also look for fractals in nature (e. g. fern leaves).



This material is a translation of the lessons created for the Czech outdoor learning program Učíme se venku. 2019



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