IDEA FOR A MATHEMATICS LESSON USING THE SPACE AROUND US

Classes for children aged 3-4

Teacher: Elżbieta Orybkiewicz

**OBJECTIVES:**

• Supporting the imagination

• Encouraging conversation

• Strengthening attention span

• Getting to know the environment around you

• Introduction of new mathematical concepts

• Memory training

• Developing creative thinking

• Acquisition of practical skills

• Development of mathematical competences

• Developing logical thinking and planning

• Preserving and naming geometric figures

Working methods: verbal, demonstration, active.

Forms of work: individual, group.

Location: school playground, park, playground.

**Course of classes:**

1. Going with the group to the kindergarten playground.

2. Greeting together in the circle with the game "Sparkle".

3. The teacher instructs the children to find pebbles and sticks around the pitch and the space around it. Each child is to lay down pebbles and sticks found in front of you. Children selected by the teacher are to count their sticks or pebbles.

1. The next task is to instruct the children to make a circle out of the pebbles. Children compare their circles together, indicate which is bigger and which is smaller.

2. Then the teacher makes a triangle and a square from the sticks, asks the children to imitate the same figures from the sticks.

3. Asking the children to find the smallest and the largest stone among their stones and to indicate and say which pebble is small and which is large and arrange them according to size.

4. The next task will be to arrange the items in rows and sequences. The teacher arranges a sequence, e.g. pebble, pebble, stick, pebble. The children are to copy the sequence. Children pair up, one of the children comes up with his own sequence, and the other is to copy them, and then the exchange takes place.

5. At the end of the classes, children practice counting, learn numbers and at the same time train coordination of movements and balance.

The teacher draws a pattern of numbers with chalk on the playground, then each of the children has the task of throwing a pebble into the field with the number and then jumps to the field with the pebble, jumping in turn says aloud what number is in the in a given field and on what number his pebble is located, if the pebble indicates, for example, the number 4, then the teacher comes up with a task for the child, e.g. do four squats, etc.

End of classes, thanking children for their participation, great coping with mathematical tasks.