**ERASMUS + activity form**

**The title of the action: ARCHAEOLOGICAL TESTS WITH SAND**

**A brief description of the action:** In the course of its activities, children examine the archaeologist, profession, and the different characteristics of the sand (dry and wet). Making tests by filing, forming and painting on and with the sand. During these experiments kids will understand why are dry and wet sand useful.

**Through the activities of the release time (date, time): 28.09.17**

**Group**: NAERULINNUD **The age of the children**: 4 years

**The teachers**: Meeli Lugus, Hege Mardiste

**Objectives**:

• The child uses a speech to some of the opposite words (dark-light, dry-wet, etc.).

• The child uses a speech to some of the adjectives

• The child shall examine the different characteristics of the sand (dry-wet) and compare them, using a variety of tools.

• The child feels the joy out of the game

• The child plays 2 rule motion games

**Tools**: The researcher's suitcase, which is: 10 brushes, 10 BBQ matches and a small suitcase 10 magnifying lens; 2 small buckets; dry sand; the container, which is a small bucket (2 bowls for each kid, 1 for dry and 1 for wet sand), 10 sand sieves, 10 shovels, 10 sand forms, 3 small rakes, about 22 little plastic squeaky toy to hide in the sand (NB! They must hide in the litter box before the kids see).

**The action of the gear:** Today we will talk to you about the branch of science such as archaeology. Does anyone know which archaeologists dealing with? () They are dealing with the oldest history. Otherwise, how do we know how people lived in the old times. For example, thanks to archaeologist we know that there were dinosaurs living before us. Archaeologists main work method is by digging old sites and finding old relics. (Power Point **„**Arheoloogid**“**)

Now you become a little scientist, who study the characteristics of the sand today. One of the little scientist () takes a researcher’s suitcase and gives everybody a magnifying lens. Now we will investigate sand:

* Is the sand the same color in both bowls? (the children's answers)
* Look with the Magnifier, with what the sand is composed with? (the children's answers)

Let's put these lenses back in the suitcase and take the BBQ match.

* Draw something in the both bowls of sand with a BBQ match () in Which the sand remains a drawing to see better? ()

After drawing collect the BBQ matches.

* Put your hand in one of the dry sand and the other on the wet sand, which one seems the colder? ()
* Feel the wet sand, how does the sand feel for you? ()
* Feel the dry sand, how does the sand feel for you? ()

Each child takes the sand sieves in front of them.

* Sieves one of a handful of dry sand in the same Bowl and do it also with the wet sand, in which of the sand is going faster and easy passing through? ()

Put a sieve back into its original place and take the sand form.

* First fill up the sand form with dry sand and then flip it upside down on to the same bowl, look at the result, don't spread out over time. ()
* Now take the form of damp sand and turn it upside down onto the same bowl, look at the result. Which of the sand must be beautiful sandform, either the dry sand or wet sand?

Now we have made different tests with sand and learned that () the children's responses.

Now let’s play one more game. Today we were talking about archeological work and you were making experiments with the sand. Now you have become a little archaeologist and now you can start making archeological diggings in this sandbox. Inside the scientists suitcase we have shovels and brushes. Why and what can you do with them.

We will thank the kids for playing with us and encourage them for future activities.