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METHODOLOGICAL BOOKLET

The KA2 program of **Erasmus+** called *Cooperation for Innovation and Exchange of Good Practices, Strategic Partnerships for Schools Only* gives us the opportunity to develop, distribute and apply new and innovative practices and methods joined in school system.

Kindergartens have an important role in providing a knowledge-based education system that supports skills and creativity. Teachers working in these institutions need to adapt new forms of teaching and modern, more advanced pedagogical methods. To be successful, it is important to take advantage of new opportunities.

New perspectives and techniques have arisen during our project *A little antenna*, they can increase the quality of education in participant kindergartens and all kindergartens as well. Each of three kindergartens passed its tried materials, activities, methods and forms of work to partner kindergartens. We collected the outlines of activities and themes in this methodological booklet which can help teachers to educate children in their home kindergarten groups. Kindergartens obtained a valuable book which may enrich the education of children in all kindergarten institutions and all kindergartens interested in this field.

All presentations, photos and videos connected to these outlines and other activities as well can be found:

<https://www.facebook.com/groups/2241595799409796>

A LITTLE ANTENNA

By the means of our project, kindergartens wanted to instil the environmental education into children minds by using right attitudes, merits and aims which a child can build up during growing up. It is better to start in early age because we can reach positive results more likely.

We knew that it was really important to execute a transnational project to understand that behaviour of an individual influences the other people all over the world. Children must realise that common steps which lead to protection of our nature and planet are inevitable in each country of the world. Everybody can contribute to saving of the environment, a child as well.

In each kindergarten we have taught the environmental education and we have worked on smaller school projects during the whole school year. Children are interested in the topic, teachers like working in this field. Because of this we wanted to cooperate with foreign countries, link up good practices of all kindergartens.

We engaged successfully 250 children from 3 kindergartens in age of 3-7 within the frame of usual daily teaching and special activities as well; children with lack of opportunities and handicaps too.

This **target group** was the biggest. Therefore, the project was focused on improving many competences of children in following fields – pro-social field, man and the world of work, man and nature.

At the beginning we conducted a survey. Our survey included an analysis FOCUS GROUPS by which we found out that children need to gain information about the environment, its protection and regional flora too because they are a part of it. Many children have no clue about other countries. Participating on a transnational project enriched their knowledge.

Then we engaged 20 pedagogical employees, 5 non-pedagogical employees, 200 other participants engaged passively or actively (family members, representatives of towns, experts, etc.).

Our project focused on **2 main topics** – Waste and recycling, Trees and plants. Within them **the aims** of the project were:

- to have / improve knowledge about the environment, its problems and protection
- to have / improve knowledge about the participating countries
- to improve ICT skills and competences of teachers
- to improve English of teachers
- to support teachers in receiving new innovating approaches
- to support teachers in working with different children groups in the class
- tolerance of other cultures, acceptance of diversity
- common work of target groups

One of the most important mean of evaluation of the project aims was the questionnaire about the environment and participating countries. We found out that the aims of the project were accomplished. The results of the questionnaire at the beginning and ending of the project were compared.

Erasmus+ Days held during transnational meetings and other activities with public were evaluated by emojis “like / dislike” anonymously.

The results of our project:

- improving of the attitudes to the environment
- knowledge about the participating countries
- beautiful school yards
- various competences of teachers and children
- prestige of the kindergartens and teachers gained by working on transnational project

Outputs of our project:

- trees and plants, ant house
- methodical guard A little antenna – with outlines, photos and links of videos
- DVD – with photos, videos, presentations

We planned **3 transnational meetings** – in each country one. We could physically manage 2 – one in Slovakia and one in the Czech Republic. The third one was planned for June 2020 but it was stopped due to Covid 19 and executed virtually in September 2020.

A work team was responsible for the management of the project in each kindergarten which at least consisted of a manager, disseminator, administrative worker and assistant.

The assistant was responsible for evaluation of activities in each institution. He/She reported to the coordinator.

The coordinator evaluated activities by gathering info and provided feedback to the partners. She was responsible for good cooperation between partners and she checked up all the tasks.

Disseminator was responsible for dissemination of information about the project.

The administrative workers were responsible for the accountancy and paper work.

The managers were responsible for whole institution as the project worked.

We worked “step by step” according to **the timetable**:

- 1 inform employees, children, parents, public, School Council / Parent Association about the grant from Erasmus+ programme
- 2 establishing of a work team in each kindergarten
- 3 questionnaire at the beginning of the project
- 4 activities during the project
- 5 transnational meetings in Slovakia, the Czech Republic and Estonia
- 6 questionnaire at the end of the project
- 7 outputs

Kindergartens had different tasks and responsibilities. Communication flowed in English – in written form (emails) and orally (video conferences).

All three kindergartens obtain a valuable material which enriches their teaching – **a methodical booklet *A little antenna*** (you are holding it, it is one of the project outputs) made up by the participating countries using outlines. So the children will profit from the project in future as well.

We plan to continue in some activities after the project is finished (paper collection, gardener, recycling, etc.) and to keep in touch as well. We evaluate the project positively ☺

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KINDERGARTENS

MATERSKÁ ŠKOLA V RIMAVSKEJ SOBOTE, UL. ROŽŇAVSKÁ, ROŽŇAVSKÁ 854/29, 97901 Rimavská Sobota, Slovakia

Kindergarten *Materská škola v Rimavskej Sobote, Slovakia*, was the coordinator of our project.



Our kindergarten lies in a small town called Rimavská Sobota in the south of central Slovakia, about 40 km from Hungarian borders. In 2020, it is 50 years old. When the project started, we had 105 children, aged 3-6, in 5 groups. Our kindergarten had 11 pedagogical and 11 non-pedagogical employees.

Among standard children, we take care of children from socially disadvantaged background, children with health problems (celiac disease, lactose intolerance, allergy, etc.), children from marginalized minorities (Roma, Hungarian), children from family disadvantaged background (single mother, divorced parents, etc.).

Our kindergarten yard is decorated with trees, bushes, flower beds. They change according to the seasons and give children opportunities to watch them. The yard provides enough space and stimulation for activities joined to nature. Children should get to know nature in nature. They can hear birds singing, touch the trees, smell flowers, sit on the grass in our yard.

The Earth is destroyed by careless, consume and destructive way of people's behaviour. We want to educate children - further adults, to love the nature. We work on environmental activities during whole school year. This topic is good to teach, we have good experience with it, children like it. In the past we were involved in the project called Zelená škola (Green school).

We wanted to participate in project Erasmus+ KA2 because our activities were only local, not transnational. We wanted to show children and the community by means of kindergartens in different countries that we should have the same goals in case we want to heal and save our planet. Nature is not only a coulisse of our lives

but it is a part of our lives and we are a part of nature. Children in pre-school years are mouldable. If we start to educate them about the environment early, then we can achieve positive results soon.

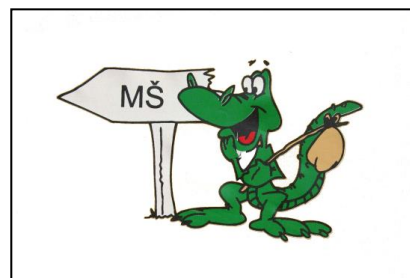


Due to our project we wanted to get to know partner kindergartens, teachers, children, school systems, we wanted to beautify our surroundings and learn much about different teaching techniques, methods and forms about the environment.

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MATEŘSKÁ ŠKOLA DRÁČEK, Mírová 430, 28922 Lysá nad Labem – Litel, the Czech Republic

Mateřská škola Dráček is a kindergarten with 2 groups of children of age 3 to 6. Our building has been under reconstruction since 2007 by using of money from donors, city and own as well. We have 5 pedagogical employees and 4 non-pedagogical. In 2014 our garden was reconstructed by using funds from the European Union, Environmental fund of the Czech Republic and the city. Now it is a nice place where children can learn, sport and play. We have an outdoor classroom, a swimming pool and a clay oven. We used this area much during Erasmus+ project. Our teachers are qualified, they always try to find new approaches, methods and forms to make education better and more interesting.



We work according to state program for children education called Cestujeme s Drakem (We travel with a Dragon). We want to create appropriate social environment for children. We cooperate with families closely because we know that pre-primary age is the key age for social adaptation. We teach our children about nature and the environment, we teach them the right approaches to the environment and the healthy lifestyle as well.



We have never worked on transnational project before, our expectations were really high – get to know partner kindergartens, countries, habits and traditions, improve English and ICT skills of teachers, exchange valuable materials, different methods and forms of work. All were fulfilled. ☺

TALLINNA LASTEAE KIIKHOBU, Tammsaare St. 95, 12913 Tallinn, Estonia

Tallinna Lasteaed Kiikhobu is an institution attended by children aged 1 to 7. Altogether about 215 children went to our kindergarten when the project started. There are 11 groups, In every group we have 18-22 children. There are



2 kindergarten teachers in every group and an assistant for the teacher who is tidying the room, cleaning the tables, helping children to get dressed, making the beds, etc. We also have 2 music teachers and a physical education teacher. Teachers are educated, have experiences with volunteers, speak several foreign languages. Parents, employees, children and institutions that support our actions, are

involved in the educational project.

Planned curricula activities take place in the mornings. Children learn maths, Estonian, observe and explore different things, listen stories and fairytales. We also draw, sing and do physical exercises. Before lunch we spend an hour or a bit more outdoors. In the evenings we also spend time outside (depends on the weather).

Kindergarten Kiikhobu has experiences in EVS: in the last seven years we hosted 11 long-term volunteers (every project lasted 5-12 months) and many short-term volunteers. Also we have long term cooperation with Tallinn University in training the students to be teachers in base education institutions through practice placements.

Erasmus+ project we wanted to share good experience of our work as a child education institution and give young people the possibility to work in a place which supports the family and the individual



development of a child. We wanted to share our culture and society. We wanted to be in contact with other European kindergartens, to get to know peers of our children and to promote the actions of our kindergarten.

OUTLINES BY SLOVAKIA

Ant house

Name and address of kindergarten: Materská škola ul. Rožňavská, Rožňavská
29/854, 979 01 Rimavská Sobota, Slovakia

Teacher: Iveta Ľuptáková Datková

Group: Bees

Activity: Exploring nature

Subject area: Man and nature

Topic: Waste and recycling

Time: March - April 2020

Place: kindergarten yard, classroom, kindergarten garden

Achievement standards: Child can select animals and identify various animals

Former activities: a walk, waste collection, recycling, comparing natural materials, comparing and contrasting, searching bugs, discussion about protection of nature, art activities, presentations, videos, poems, songs about nature, Land art, didactic activity Web

Specific goals: acknowledgement of the importance of nature, symbiosis of insects and plants, learning animal species, developing protection of nature

Didactic goals: improving of working skills in groups, development of creativity, communication and cooperation, orientation in terms and information, solving problems, cognition

Methods:

method of practical activity (working with paper, colours, crayons, natural materials, waste materials, didactic and electronic toys),

verbal methods (monologue, dialogue, working with books)

creative dramatization

searching methods

demonstrative experiential methods (demonstration, observation)

Devices and means: waste and natural materials, scissors, glue, colours, brushes, crayons, toys, pictures, polystyrene, video and audio records, books

Organisational forms: being outside, games and activities, education activity, motional and relaxing exercises

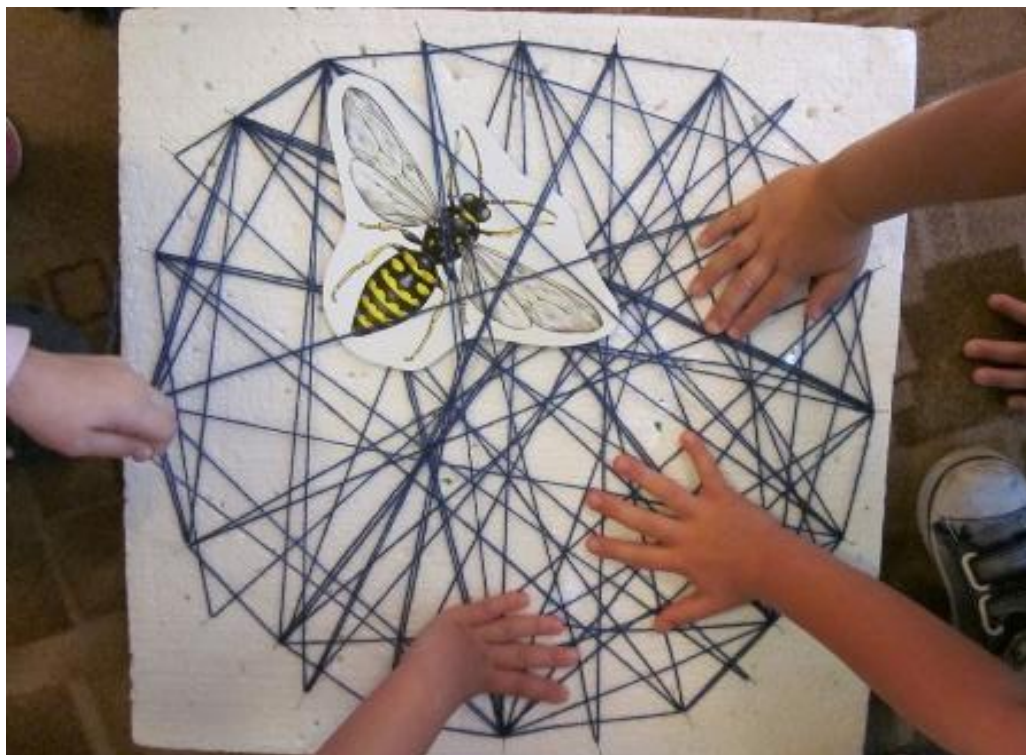
Time	Structure of activities	Methods, forms, devices and means	Organisation al tasks
7.30-8.30	<p>Welcoming children to kindergarten.</p> <p>Games and activities according to children's choices:</p> <p>buildings using Lego</p> <p>interactive game Web</p> <p>drawing a roof for the Ant house</p> <p>sticking columns for the roof</p> <p>Finishing games, tidying up</p>	<p>Individual approach, acceptance of game rules, cooperation, building relationships</p> <p>Devices and means: PC, interactive whiteboard, toys, colours, brushes, glue, corrugated cardboard, box, wool</p> <p>Pairs, groups, individuals</p> <p>Checking if children joined the activities</p> <p>Preparation of necessary items for the activity.</p> <p>Listening and singing songs about bugs</p>	<p>Preparing toys, the room, devices and means</p> <p>In the classroom</p> <p>Following the teacher's instructions</p> <p>Evaluation of tidying up</p>
8:45-9:00	Morning exercise	<p>Listening to songs about bugs</p> <p>"Slniečko sa zobudilo", "Včielka Mája", imitation of bugs' motions</p>	Opening the window
9.00-9:30	Hygiene, breakfast	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.

9.30-10.00	Educational activity Motivation: A short picture presentation about ants Creating the Ant house - Putting paper rolls into boxes - Putting natural materials into rolls - Sticking the roof	Preparation of activities. Arising of the children's interest Application of techniques, instructions Discussion about the importance and dangers of insects.	Preparing the room and materials – chairs, desks, boxes, natural materials 3 groups by 3 desks
10.00-10.15	Exhibition of outputs	Team and self evaluation Discussion about the cooperation and the success of the task.	Shaping attitudes
10.15-12.30	Wooden Ant house in the kindergarten yard done by the school caretaker	Putting natural materials into the Ant house Cooperation of children from different groups following their teachers Children search and observe insects using magnifying glasses	With other groups in the kindergarten yard and sandbox



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A story about an apple

Name and address of kindergarten: Materská škola v Rimavskej Sobote, Ul. Rožňavská 29/854, 979 01 Rimavská Sobota, Slovakia

Teacher: Viera Strmeňová

Activity: Gardener

Subject area: Man and nature

Time: 21 Sept. 2018 - 18 Oct. 2018

Place: school yard, classroom

Achievement standards: Child can name food and technical utility of some plants and mushrooms

Former activities:

- acknowledgement about prepared activities
- joining of parents – bringing a used jar to kindergarten
- gathering of apples on school yard, washing them
- putting chopped apples on the sticks, assisting of drying apples

Specific goals: processing of fruits, acknowledgement of processing and utilisation of fruits, cooperation by gathering and drying of fruits, understanding of gifts for grandparents in October

Didactic goals: improving of working skills, keeping of agreed process, right manipulation with food (hands washing, washing apples, putting chops on the sticks in correct distances for drying)

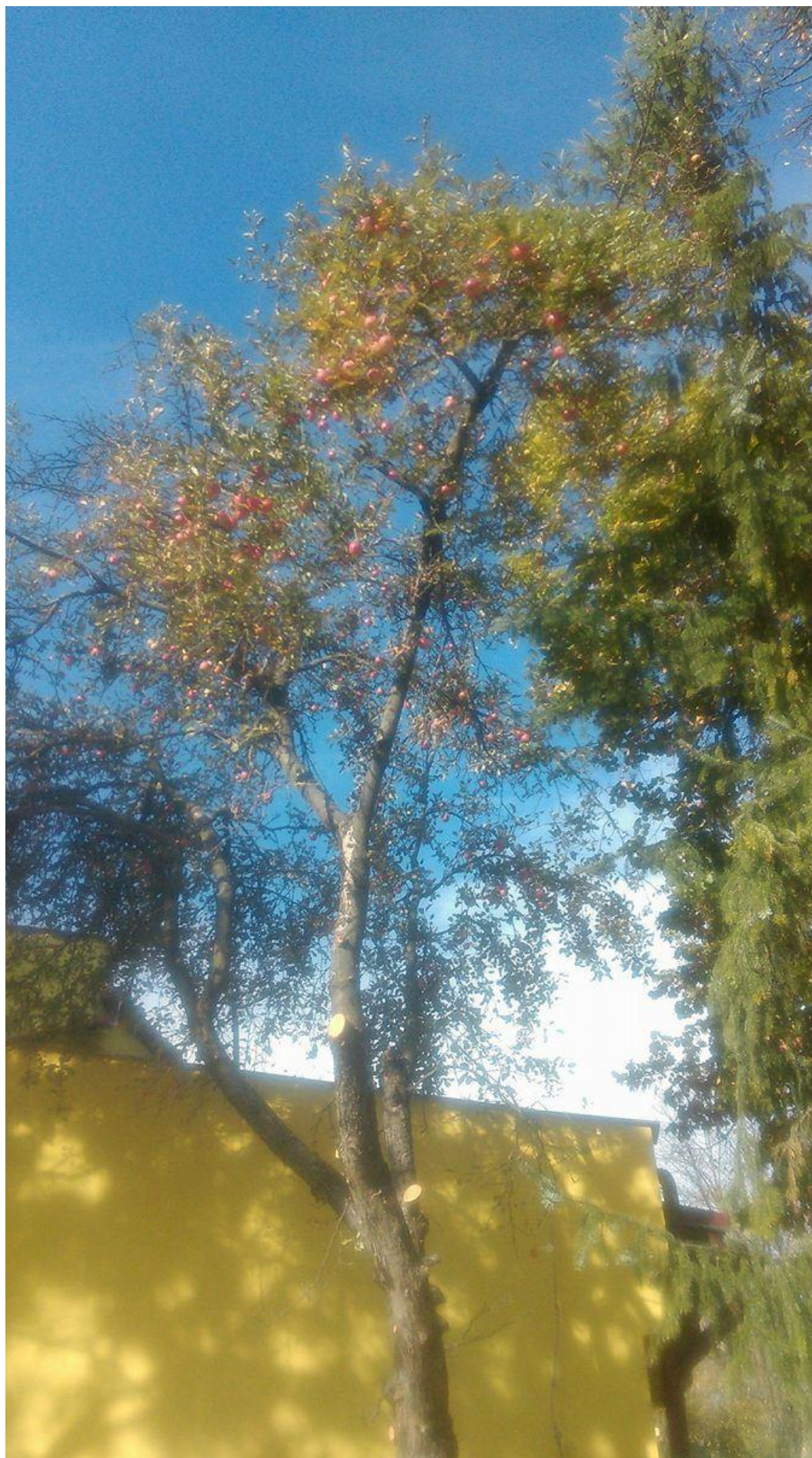
Methods: method of practical activity, method of visualisation, motivational, verbal and experiential methods

Devices and means: apples from the school yard, sticks, sewing thread, jars, labels, markers, textile, string

Organisational forms: being outside, games and activities, education activity, workshop with grandparents

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Games and activities according to children's choices</p> <p>- Children are able to see if the apples are dried enough and good to be filled into jars as gifts for grandparents.</p> <p>Games according to children's choices.</p> <p>Preparing of properties for workshop:</p> <p>- drawing of kitchen cabinet, cutting and sticking letters for the headline U B A B I Ć K Y (at grandma's).</p> <p>Finishing activities, showing up the final products for the classroom decoration, cleaning during the agreed song, cooperation by cleaning</p>	<p>- Acceptation of rules <i>(dried apples, jars)</i></p> <p>Checking if children joined the activities <i>(toys in the classroom)</i></p> <p>Group work <i>(big paper, water colours, brushes, scissors, pre-drawn letters, glue)</i></p> <p>Individual communication, evaluation <i>(song by Mária Čírová: Unikát, using PC)</i></p>	<p>Preparing of toys and art materials</p> <p>1st group at the table: Drawing</p> <p>2nd group at the table: Cutting</p> <p>Sitting by the products on the carpet</p>
8.30-9.30	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.

<p>9.30-10.00</p>	<p>Motivation:</p> <p>A short discussion about creating gifts for grandparents, acknowledgement of work process.</p> <p>1 Writing of children's names on the labels, sticking of the labels on the jars, hands washing.</p> <p>2 Filling the jars with dried apples.</p> <p>3 Exhibition on the window ledge.</p>	<p>Preparation of activities.</p> <p>Arising of the children's interest in the theatre play.</p> <p>.</p> <p>Applying of work process: (<i>decorated labels, scissors, crayons, glue, jars</i>)</p> <p>(<i>dried apples</i>)</p> <p>Cooperation by changing groups</p> <p>Discussion about the cooperation and products, about the plan to finish products with grandparents in the afternoon.</p> <p>Team and self evaluation</p>	<p>In the circle</p> <p>Groups – prepared tables with devices and means</p> <p>By the products</p>
<p>15.30-16.30</p>	<p>Greeting grandparents.</p> <p>Explaining the work process to grandparents.</p> <p>Assistance by closing the jar and tying a ribbon, giving the jar to grandparents.</p>	<p>Acceptation of agreed rules</p> <p>(<i>jar with apples, textile, string</i>)</p> <p>Evaluation of cooperation, boosting by clapping hands.</p> <p>Saying thanks for the visit.</p>	<p>Preparing the classroom for the visit</p>





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John and the Bean

Name and address of kindergarten: Materská škola v Rimavskej Sobote, Ul. Rožňavská 29/854, 979 01 Rimavská Sobota, Slovakia

Teacher: Eva Györgyová

Activity: Gardener

Subject area: Man and nature

Time: 11 – 15 March 2019

Place: classroom

Achievement standards: Child can name plants, their life stages. Child can describe conditions of germination and growth of plants.

Former activities:

- acknowledgement about prepared activities
- joining of parents – bringing a used jar and a bean to kindergarten
- reading encyclopedias
- listening to a story John and the Bean
- letter beans – children created the name of the story by sticking beans to letter
- expectations “What do plants need for growth?”
- worksheet “What does a plant need?”
- concertina book “How a bean grows”
- planting a bean
- germination of a bean
- dramatization “How a plant grows”

Specific goals: to watch life stages of plants (germination, growth), to experiment with conditions needed for growth of plants

Didactic goals: improving of working skills, keeping of agreed process, taking care of a plant (watering), watching germination a growth of a seed

Methods: method of practical activity, method of visualisation, motivational, verbal and experiential methods, method of experiment and dramatization

Devices and means: story John and the Bean, worksheet and letter beans, glue, coloured paper, drawing materials, pictures of beans in their life stages, soil, pots, beans, song “Semienka”

Organisational forms: games and activities, education activity, workshop with grandparents

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Games and activities according to children's choices</p> <ul style="list-style-type: none"> - Children are working on a worksheet "What needs a bean" - Children are working on a concertina book "From a seed to a plant" - Cutting and sticking a castle on skewers <p>Finishing activities, showing up the final products for the classroom decoration, cleaning during the agreed signal, cooperation by cleaning</p>	<ul style="list-style-type: none"> - Acceptation of rules (<i>toys in the classroom</i>) - Group work (<i>big paper, water colours, brushes, scissors, crayons letters, glue</i>) Individual work (<i>scissors, skewer, sticking tape</i>) Individual communication, evaluation (<i>using a triangle</i>) 	<p>Preparing of toys and art materials</p> <p>1st group at the table: Drawing, cutting, sticking</p> <p>2nd group at the table: Cutting, sticking</p> <p>3rd group at the table: Cutting, sticking</p> <p>Sitting by the products on the carpet</p>

8.30-9.30	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.
9.30-10.00	<p>Motivation:</p> <p>A short discussion about plants and conditions needed for their growth, acknowledgement of work process.</p> <p>1 Filling pots with soil, planting beans, watering, hands washing.</p> <p>2 Filling the pots with cotton wool, putting a bean into it, watering</p> <p>3 Worksheet with printed letters – searching for beans with the same letters, sticking</p> <p>Exhibition on the window ledge in the classroom and the change room.</p>	<p>Preparation of activities.</p> <p>Arising of the children's interest .</p> <p>Applying of work process (<i>jars, soil, beans, watering cans</i>)</p> <p>(<i>pot, cotton wool, bean</i>)</p> <p>Applying of work process (<i>worksheet, letter beans, glue</i>)</p> <p>Discussion about the cooperation and products</p> <p>Team and self evaluation</p>	<p>In the semicircle</p> <p>Groups – prepared tables with devices and means</p> <p>By the products</p>
15.30-16.30	<p>Greeting grandparents with a short performance</p> <p>Explaining the work process to grandparents</p> <p>Giving the pots to grandparents.</p>	<p>Acceptation of agreed rules</p> <p>(<i>paper plate, legumes, glue</i>)</p> <p>Evaluation of cooperation</p> <p>Saying thanks for the visit.</p>	<p>Preparing the classroom for the visit</p>





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Gombby's dance

Name and address of kindergarten: Materská škola v Rimavskej Sobote, Ul. Rožňavská 29/854, 979 01 Rimavská Sobota, Slovakia

Teacher: Lýdia Rendeková

Activity: Dance and motion to health

Subject area: Man and nature, Art and culture

Time: April 2019

Place: classroom

Achievement standards: Child can have a correct posture, can dance a simple choreography, can understand the importance of recycling

Former activities:

- creating stage properties from waste materials
- listening to the chosen song
- rehearsal of dance

Specific goals: to have positive attitude to music, motion and environment

Didactic goals: application of motion, development of various techniques and coordination, joining music with games, real life and the world, perceive music as a learning tool

Educational goals: to show interest in music and motion, to use devices made of waste materials, to recycle, to learn the importance of motion and protection of the environment, to have a positive attitude to art and nature

Techniques: dance, imitation of elements of dance, learning a dance choreography

Methods: verbal and visual methods, listening to the song, demonstration of elements of dance

Devices and means: a song Gombby's Green Island, CD player, choreography

Organisational forms: games and activities, education activity

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Games and activities according to children's choices</p> <p>Children are decorating sticks with waste materials, the sticks are for parents as presents</p> <p>Finishing activities, showing up the final products for the classroom decoration, cleaning during the agreed song, cooperation by cleaning</p>	<p>Individual approach</p> <p>Cooperation of children</p> <p>Shaping of friendly behaviour</p> <p>Acceptation of agreed rules</p> <p>Checking if children joined the activities</p>	<p>Preparing of toys and art materials, scissors, glue</p> <p>Instructions of the teacher</p> <p>Help of the teacher</p> <p>Checking the cleaned classroom</p>
8.30-9.30	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.

9.30-10.00	<p>Motivation:</p> <p>A short story about Gombby's Green Island, the song</p> <p>Discussion about our environment, its protection, about our health. Answering the questions: "What is a healthy motion?", "Can it be a dance?"</p> <p>A dance can be a surprise and a gift too, e.g. for their parents, when they prepare a choreography to dance.</p>	<p>Preparation of activities.</p> <p>Arising of the children's interest</p> <p>.</p> <p>Discussion about the cooperation and prepared stage properties</p> <p>Dance choreography, using a technique Step by step</p> <p>Using prepared sticks created by children</p> <p>Children imitate the teacher's elements of dance, they improvise</p> <p>Together they rehearse all dance</p>	<p>Stage properties, coloured T-shirts, a song</p>
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OUTLINES BY THE CZECH REPUBLIC

Ant house

Name and address of kindergarten: Mateřská škola Dráček, Lysá nad Labem -
Litol, Mírová 430, Česká republika

Teachers: Iveta Lompartová, Bc. Marcela Michňová, Pavel Stříbrný, Štěpánka
Syrková

Activity: House for insects

Subject area: man and nature

Time: May 2020

Place: Outdoor class, garden

Achievement standards:

The child knows meaning little house and benefit of insects in the garden.

Former activities: - knowledge and preparation of activities

- preparation of aids and materials
- work in groups
- cooperation
- cooperation with parents
- material processing

Specific goals: Realize that human activity improves and protects the environment,
but also destroys it. Cooperation with parents.

Didactic goals:

Tool handling - cutting, drilling.

Improving skills.

Distinguishing materials.

Methods : Motivation, practical activities, verbal and experimental methods, ideas.

Devices and means: Plastic crate, pet bottles, paper rolls, sticks, wood, cones, corks,
flower pots, straw, moss, tempo paint, brushes, saws, drill.

Organisational forms: Cooperation with parents - a walk in the woods, a stay in the
garden, teaching activities in the outdoor classroom, games.

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Encyclopedias about insects.</p> <p>Material sorting - straw, sticks, cones, moss</p> <p>Cleaning</p>	<p>Observation, listening, description</p> <p>Practical activities, comparison</p> <p><i>(song by Dagmar Patrasová, Já už jdu. using cd)</i></p>	<p>In the library on the carpet</p> <p>Group works</p>
8.30-9.00	Exercises, Dance “ Ladybug”	physical activities	In class
9.00-9.15	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.
9.15 – 12.00	<p>Motivation:</p> <p>Observation little house and insects in the garden</p> <p>painting the roof work with thick paint</p> <p>material preparation cutting, drilling</p>	<p>Observation</p> <p>painting</p> <p>practical activities sawing and drilling with a cordless drill</p> <p>Practical activities - development of fine motor skills</p> <p>Experiential method</p>	<p>In the garden</p> <p>division of children into groups</p> <p>In the garden</p>

Collection of cones, sticks and bark filling pet bottles folding pet bottles into crate Location of the insect house in the garden. Modification of an existing insect house. Song - Ant lullaby from Zdeněk Svěrák and Fashion Show from Inka Rybářová Conclusion – conversation, evaluation activities	Music activities - singing reflection	Outdoor class. compliance with safety rules In the garden in a circle near the insect house
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Dragon recycling

Name and address of kindergarten: Mateřská škola Dráček, Lysá nad Labem -
Litol, Mírová 430, Česká republika

Teacher: Bc. Marcela Michňová, Iveta Lompartová, Bc. Pavel Pavlíček

Activity: Dragon Recycling

Subject area: man and nature

Time: 13 – 14 May 2019

Place: classroom, street

Achievement standards: helping children to protect nature

Former activities: - preparation of backdrops

- waste processing
- forest protection
- separation
- recycling

Specific goals: recycling, separation

Didactic goals: improving separation

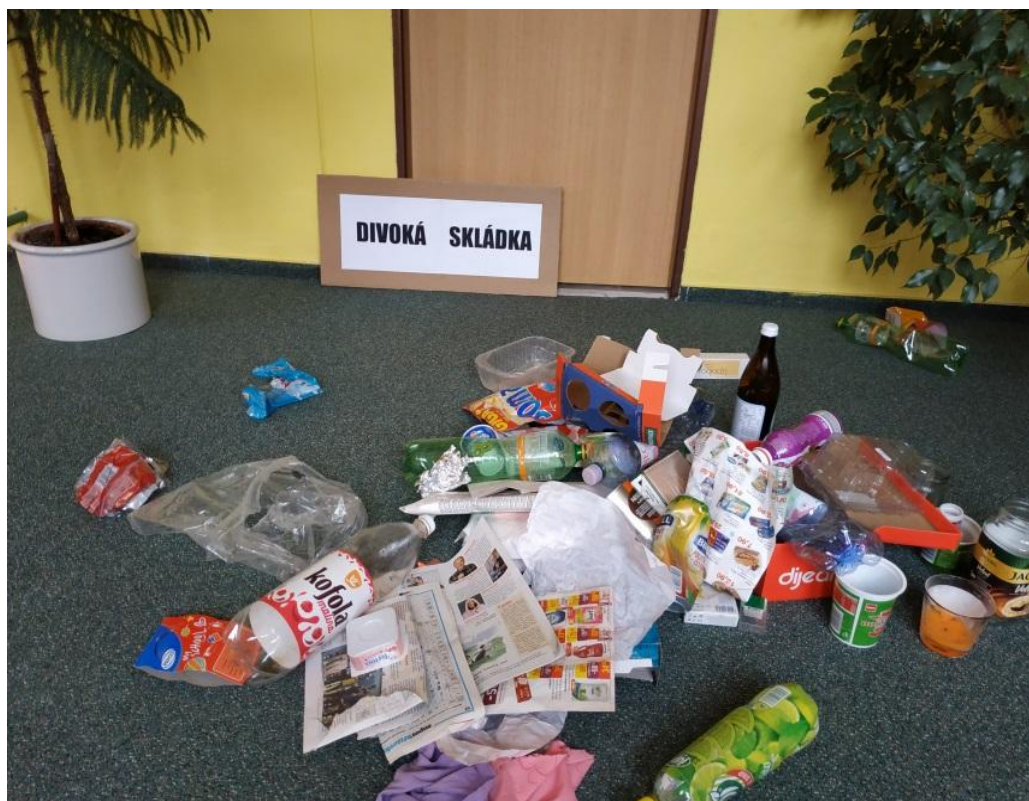
Methods: method of practical activity, dramatization, Board Games, spelling

Devices and means: costumes, scenery, waste, Board Games, waste pictures, containers, material for recycling (paper, cardboard, wood, cloth)

Organisational forms: being outside, a station for alternating activities, games and activities, education activity

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Games and activities according to children's choices</p> <p>- dramatization stories “Dump in the forest”</p> <p>Finishing activities, cleaning during the agreed song, cooperation by cleaning.</p> <p>we sing a song “In the forest”</p>	<p>Acceptation of rules - work instructions.</p> <p>Group work in the form of dramatization</p> <p>Individual communication, evaluation</p> <p><i>(song by Dagmar Patrasová, Já už jdu.using cd</i></p> <p>singing with a guitar</p>	<p>Preparing of toys and art materials</p> <p>division of roles (animals, bad man) preparation</p> <p>in a circle</p>
8.30-9.30	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.
10.00-12.00	<p>Motivation:</p> <p>an interview with an ant “How to clear the forest”</p> <p>we collect and sort waste We'll take the waste, walk to containers</p>	<p>Preparation of activities. interview</p> <p>practical activity</p>	<p>In the circle in class</p> <p>Outside</p>









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Secrets of trees and plants

Name and address of kindergarden: Mateřská škola Dráček, Lysá nad Labem -
Litol, Mírová 430, Česká republika

Teachers: Iveta Lompartová, Bc. Marcela Michňová, Štěpánka Syrová

Activity: Secrets of trees and plants

Subject area: man and nature

Time: 4 June 2020

Place: classroom, outdoor class, gardens

Achievement standards: Get to know the life of trees. Get to know tree species.
Know the significance for human life and nature.

Former activities:

- knowledge about preparation of activities
- preparation of aids and materials
- dramatization, drawing, singing, work activities

Specific goals: Gaining knowledge about life of trees and plants.

Didactic goals: Distinguishing deciduous and coniferous trees. Getting to know the
kind of trees, observing changes of trees.

Methods: method of practical activity, method of visualisation, motivational,
experiments, dramatization, listening, art and music activities

Devices and means: paper, tempera colours, wax pastel, wool, ink, picture, natural
products, cd – for seasons, song Trees, book “ Who grows in the park”, water, sugar
cube, cinnamon, clove, garlic, brushes, encyclopedia, guitar.

Organisational forms: Games, experiments and educational activities in outdoor
class and in the garden. Activities in class.

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	Atlases and encyclopedias Tree analysis – compose parts of a tree Assignment Fruit – leaf - tree Evaluation Cleaning	Observation Practical activities Control of rules Group work, cooperation verbal Individual communication, evaluation <i>(song by Dagmar Patrasová, Já už jdu.using cd</i>	Preparation of materials materials Group work on a carpet
8.30-9.00	Yoga “How a tree grows”	Health exercises	
9.00-9.15	Hygiene, snack	Shaping the eating and hygiene habits.	Principles of the healthy lifestyle.
9.15 – 12.00	Motivation: Listening to a book “Who grows in the park” Dramatization – How a tree lives. 3 groups of children Group 1 – roots Group 2 – stem Group 3 – branches	Listening, work with a book Practical and experiential method Dramatization Cycle discussion - exchange of knowledge and skills	In a circle Preparation of aids – water, cube sugar, paper flowers and leaves, cd - four seasons

<p>Path of water from roots to branches. The path of nutrition from branches to roots. Year-round cycle.</p> <p>Music – Four seasons by Antonio Vivaldi</p>	<p>Group work, dramatization</p>	<p>Division of children into groups.</p> <p>Division of roles.</p> <p>Keeping rules.</p>
<p>Video</p> <p>Experiment – tree nutrition</p> <p>Tree picture, glue the roots of white wool. We observe how the water is coloured, it sucks into the roots and the wool changes its colour.</p> <p>Painting trees : My tree in the garden – painting trees combined technique. Observation.</p> <p>- terry bark – wax pastel</p> <p>- charcoal drawing - trunk and branches,</p> <p>tempera painting - treetop</p> <p>Song "Trees"</p> <p>Zdeněk Svěrák</p> <p>listening a cd, singing with a guitar</p>	<p>Observation, experiment</p> <p>Artistic activities, Observation, Individual work</p> <p>Music work, listening</p>	<p>Cooperation – agreement, group exchange.</p> <p>In Class</p> <p>Outdoor class and garden</p> <p>In the garden under the tree</p>

14.30- 16.00	<p>Tree care</p> <p>Organic spraying against aphids - cinnamon, cloves, garlic</p> <p>Interview, evaluation of activities</p>	<p>Practical activities</p> <p>Reflection</p>	<p>Compliance with safety rules.</p> <p>Spray preparation</p> <p>One a week in advance</p> <p>In the circle under the tree</p>
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The Sorcerer's Apprentice

Name and address of kindergarten: Mateřská škola Dráček, Lysá nad Labem -
Litol, Mírová 430, Česká republika

Teachers: Bc. Marcela Michňová, Iveta Lompartová, Bc. Pavel Pavlíček

Activity: The Sorcerer's Apprentice

Subject area: man and nature

Time: 4 June 2019

Place: classroom

Achievement standards: The child becomes familiar with the use of waste, material recycling, nature conservation

Former activities:

- preparation of backdrops
- waste processing
- forest protection

Specific goals: recycling, recovery of waste, manufacture of handmade paper, environmental Protection, improving of working skills

Didactic goals: improving of working skills, keeping of agreed process,

Methods: method of practical activity, method of visualisation, motivational, verbal and experiential methods, experiments

Devices and means: backdrop of the Sorcerer's cave, backdrop of forest, costume, types of wood, newsprint, roller, tray, water, ribbon, Red cabbage, grater,

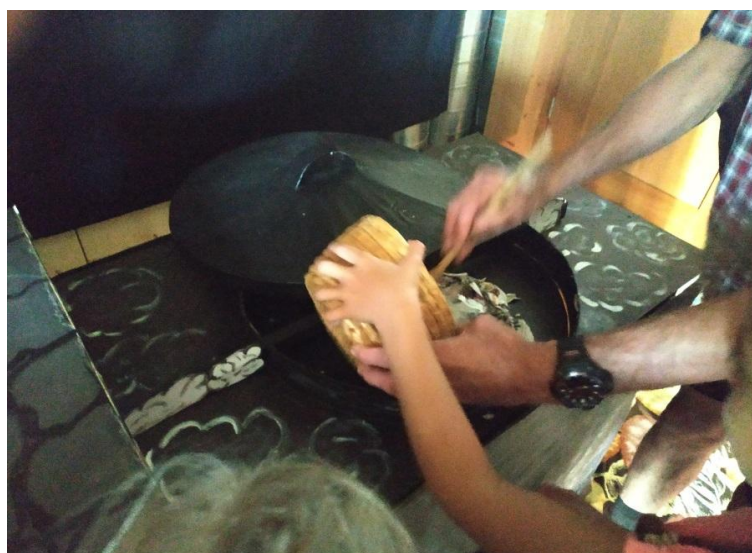
Organisational forms: a station for alternating activities (forest, wizard cave, waste dump), games and activities, education activity

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Games and activities according to children's choices</p> <p>A fairytale about a sorcerer who has learned magic.</p> <p>Production of backdrops and a costume for sorcerers.</p> <p>Polytechnic education – experiment, battery and bulb connection.</p> <p>Building a forest.</p> <p>Finishing activities, cleaning during the agreed song, cooperation by cleaning</p>	<p>Acceptation of rules - work instructions.</p> <p>Colouring the fabric. Imagination and imagination of children.</p> <p>Checking if children joined the activities <i>(toys in the classroom)</i></p> <p>Group work <i>(big paper, water colours, scissors, glue, battery, bulb)</i></p> <p>Poems for sorcerer.</p> <p>Individual communication, evaluation <i>(song by Dagmar Patrasová, Já už jdu. using a cd)</i></p>	<p>Preparing of toys and art materials</p> <p>1st group at the table: Drawing</p> <p>2nd group at the table: Cutting</p> <p>3rd group at light connection</p> <p>4th group builds a forest.</p> <p>The 5th group produces a costume for the sorcerer.</p>
8.30-9.30	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.

9.30-10.00	<p>Motivation:</p> <p>The sorcerer welcomes the children in the cave.</p> <p>The sorcerer teaches children's magic.</p> <p>1 Forest Cleaning - We collect waste.</p> <p>2 Production of handmade paper - tearing a newspaper, soak newspaper, pressing a newspaper roller, dry newspaper.</p> <p>“Hokus pokus papíru cáry, at’ jsou kousky dohromady a ne zvlášť, pomůže nám hůlka, plášt’.”</p> <p>3 Soak the ribbons in red cabbage, dry ribbons.</p> <p>“Hokus pokus kotli vař, jakou barvu umícháš.”</p> <p>4 Preparing for joint activities with parents</p>	<p>Preparation of activities.</p> <p>Arising of the children’s interest in the theatre play.</p> <p>.</p> <p>Cooperation by changing groups</p> <p>Discussion about the cooperation and products.</p>	<p>In the circle</p> <p>Division of tasks</p> <p>Establishing rules</p> <p>Magic spells for experiments.</p> <p>Preparing for the activity with parents</p>
15.30-16.30	<p>Welcome parents.</p> <p>Together we write a message on dried paper.</p>	<p>Discussion about the finished products with parents in the afternoon.</p> <p>Team and self evaluation</p> <p>Acceptation of agreed rules</p> <p>Evaluation of cooperation, boosting by clapping hands.</p> <p>Saying thanks for the visit.</p>	<p>Preparing the classroom for the visit</p>



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OUTLINES BY ESTONIA

The secrets of insects in nature

Name and address of kindergarten: Tallinn Kindergarten Kiikhobu, Tammsaare tee 95, Estonia

Teacher: Eva-Riin Rückenberg

Activity: Exploring insects in the nature

Subject area: Man and nature

Time: April 30, 2019

Place: kindergarten yard, classroom, kindergarten hall

Achievement standards: Child can name different flying and not flying insects, know where they live and why they are important, name the dangers.

Former activities:

- preparing magnifying glasses, pictures of insects, crayons, watering cans for the activity.
- inviting a lector to the kindergarten hall to speak about ticks.

Specific goals: acknowledgement of the importance of insects and flowers, cooperation by searching for insects in groups, understanding the dangers of insects.

Didactic goals: improving of working skills in groups, learning the correct way to use a magnifying glass, maintaining attention during the lecture.

Methods: method of practical activity, method of visualisation, motivational, verbal and experiential methods.

Devices and means: magnifying glasses, pictures of insects, crayons, watering cans, crossword puzzle sheets.

Organisational forms: being outside, games and activities, education activity, lecture.

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Games and activities according to children's choices</p> <p>Welcoming children to kindergarten. Games according to children's choices.</p> <p>Preparing for morning activities:</p> <p>-Teacher preparing pictures of insects, magnifying glasses and watering cans, crayons.</p> <p>-Gathering children for the morning circle and introducing today's activities.</p>	<p>- Acceptation of game rules</p> <p>- Checking if children joined the activities</p> <p>- Preparation of necessary items for the activity.</p> <p>-Discussion with children.</p>	<p>In the classroom</p> <p>In the circle</p>
8.30-9.00	Hygiene, breakfast	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.

<p>9.15-10.00</p>	<p>Motivation:</p> <p>A short discussion about which insects do the children know. Playing a game “What insect is in the picture?”.</p> <p>“Insect hunt” outside:</p> <p>1 Dividing children into groups of investigators.</p> <p>2 Giving magnifying glasses to each group and explaining the task.</p> <p>2 Searching for flying and not flying insects</p> <p>3 Making summary of the “insect hunt” - what and how many insects did you find? Adding description.</p> <p>4 Watering flowers in the flower bench, where insects collect nectar.</p> <p>5 Drawing your favourite insect on the ground with crayons.</p>	<p>Preparation of activities.</p> <p>Arising of the children’s interest in the game.</p> <p>Cooperative “Insect hunting” in little groups using magnifying glasses.</p> <p>Discussion about the cooperation and the success of the task.</p> <p>Team and self evaluation</p> <p>Discussion about the importance and dangers of insects.</p>	<p>In the circle</p> <p>Outdoor activity in the kindergarten yard</p> <p>Groups – with prepared devices and means</p> <p>Outdoor classroom.</p>
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15.30-16.30	<p>Going to the kindergarten hall for important lecture about insects called “ticks”:</p> <p>Explaining the life cycle of ticks and how dangerous these insects are.</p> <p>Explaining the consequences of the tick biting and how to prevent it.</p> <p>Homework for children: to solve a crossword puzzle about ticks.</p>	<p>Acceptation of agreed rules (what to wear in the forest).</p> <p>Saying thanks for the visit to the lector.</p>	<p>Preparing the kindergarten hall for lecture</p> <p>With parents at home</p>
18.30-19.30			







From seed to plant

Name and address of kindergarten: Tallinn Kiikhobu Kindergarten, Tammsaare tee 95, Estonia

Teacher: Eve Tommula

Activity: Gardener

Subject area: Man and nature

Time: March 28-May 29, 2019

Place: classroom

Achievement standards: Child knows the life cycle of plants.

Former activities:

- acknowledgement about prepared activities
- joining of parents – bringing seeds for the plants
- gathering soil and plant pots

Specific goals: acknowledgement of the importance of plants, cooperation by sowing the seeds, understanding the life cycle of plants, growing the plants for surprise present.

Didactic goals: improving of planting skills.

Methods: method of practical activity, method of visualisation, motivational, verbal and experiential methods.

Devices and means: seeds, pots, soil, watering cans, name labels, markers.

Organisational forms: education activity, graduation present for children.

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
March 28 7.30- 8.30	<p>Games and activities according to children's choices:</p> <ul style="list-style-type: none"> - Welcoming children to the kindergarten. - Receiving seeds for planting from the parents. - Children are able to see the flower pots and guess what is going to be planted. <p>Games according to children's choices.</p> <p>Preparing activity for planting flowers:</p> <ul style="list-style-type: none"> - Covering the tables with old newspapers. - Placing the pots on the tables. - Preparing the soil bag and planting tools. - Gathering the children to the morning circle to introduce today's activity. 	<ul style="list-style-type: none"> - Acceptation of rules <p>Checking if children joined the activities</p> <p>Individual work (<i>writing name tags with markers</i>)</p> <ul style="list-style-type: none"> - Preparation of necessary items for the activity. <p>- Discussion with children.</p>	<p>Preparing of planting tools.</p> <p>In the classroom</p> <p>In the circle.</p>
8.30- 9.30	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.

9.30-10.00	<p>Motivation:</p> <p>A short discussion about the life cycle of plants and growing plants with your own hands.</p> <p>Dividing children into two groups (1 – planting, 2 – watching book about plants).</p> <p>Giving instructions for planting:</p> <p>1 Filling the pots with fresh soil</p> <p>2 Putting seeds into the soil</p> <p>3 Watering the seeds</p> <p>4 Sticking the name labels to the pots.</p> <p>Finishing the activity with taking photographs.</p>	<p>Arising of the children's interest in the theatre play.</p> <p>Singing a song together "Plant grows into a tree"</p> <p>Cooperation by changing groups</p> <p>Discussion about the cooperation and the expected result.</p> <p>Team and self evaluation</p>	<p>In the circle</p> <p>1st group – sowing the seeds</p> <p>2nd group – watching children encyclopedia about plants and trees</p> <p>Sharing photos in the closed group for parents on FB</p>
May 29 15.30-16.30	<p>Graduation Party:</p> <p>Greeting parents and graduating children.</p> <p>Explaining the planting and growing process to the parents.</p> <p>Giving the plants as surprise present to the graduating children.</p>	<p>Evaluation of cooperation, boosting by clapping hands. Saying thanks.</p>	<p>Preparing and decorating the kindergarten hall for the graduation party.</p>





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Exploring potatoes and how to plant them

Name and address of kindergarten: Tallinn Kiikhobu Kindergarten, Tammsaare tee 95, Estonia

Teacher: Eve Tommula

Activity: Gardener

Subject area: Man and nature

Time: March 28-May 29 2020

Place: kindergarten yard

Achievement standards: Child knows the life cycle of potato. Child knows how to sow potatoes in a potato field.

Former activities:

- acknowledgement about prepared activities
- joining of parents – bringing potatoes to sow
- gathering soil

Specific goals: acknowledgement of the importance of plants, cooperation by sowing the seeds, understanding the life cycle of plants, growing the plants for surprise present.

Didactic goals: improving of planting skills.

Methods: method of practical activity, method of visualisation, motivational, verbal and experiential methods.

Devices and means: potatoes, soil, watering cans, spades, rakes.

Organisational forms: education activity, experiment.

Time	Structure of activities	Methods, forms, devices and means	Organisational task
7.30-8.30	Games and activities according to children's choices: <ul style="list-style-type: none"> - Welcoming children to the kindergarten. - Receiving potatoes for planting from the parents. - Children are able to see the potatoes and compare them in size. Games according to children's choices.	<ul style="list-style-type: none"> - Acceptation of rules Checking if children joined the activities Preparation of necessary items for the activity. Discussion with children.	Preparing of planting tools. In the classroom
8.30-9.30	Hygiene, snack	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.
9.30-10.00	Motivation: A short discussion about the life cycle of plants and growing plants with your own hands. Showing the potato pictures and exploring the potatoes. Preparing activity for planting potatoes: <ul style="list-style-type: none"> - Preparing the soil bag and planting tools. - Gathering the children to the circle to introduce today's activity. 	Arising of the children's interest with pictures of a potato and showing real potatoes. Playing a game "Hot potato". Discussion about the cooperation and the expected result.	In the circle

	Giving instructions for planting: 1 Shoveling and raking the planting ground. 2 Adding some extra soil and fertilizer. 2 Putting potatoes into the soil 3 Watering the potatoes Finishing the activity with taking photographs.	Team and self evaluation	Sharing photos in the closed group for parents in Facebook.
15.30-16.30	Activity with parents: Greeting the parents and inviting them to see what the children planted in the morning.	Evaluation of cooperation.	In the kindergarten yard.







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Wild life in our yard

Name and address of kindergarten: Tallinn Kindergarten Kiikhobu, Tammsaare tee 95, Estonia

Teacher: Eva-Riin Rückenberg

Activity: Naming and describing different animals and birds on the pictures, observing wild animals and birds in our kindergarten yard, marking found animals and birds on bingo work sheets, writing their names, taking photographs of the animals/birds, learning how to behave near wildlife, drawing favourite animal/bird.

Subject area: Man and nature

Time: June 3, 2020

Place: kindergarten yard

Achievement standards: Child can describe and write the names of different wild animals and wild birds that inhabit our kindergarten yard, learn about where they live, make their nests and what they eat. Children can recognise the animals and birds in the nature and mark them on bingo worksheets, write their names and take photos, draw most favourable animal/bird.

Former activities: preparing pictures of different animals and birds, printing bingo worksheets, preparing crayons and colouring pencils for activity.

Specific goals: learning about different wild animals and birds that live around people, cooperation by observing wild animals and birds in groups, acknowledgement of how people and wildlife co-exist side by side.

Didactic goals: improving of working skills in groups, learning how we use a smartphone to take photos of animals and birds, maintaining attention during animal/bird bingo game.

Methods: method of practical activity, method of visualisation, motivational, verbal and experimental methods.

Devices and means: smartphone for taking photos, pictures of animals and birds, bingo worksheets, crayons and colouring pencils.

Organisational forms: being outside, games and activities, education activity.

Time	Structure of activities	Methods, forms, devices and means	Organisational tasks
7.30-8.30	<p>Games and activities according to children's choices</p> <p>Welcoming children to kindergarten. Games according to children's choices.</p> <p>Preparing for morning activities:</p> <p>-Teacher preparing pictures of different animals and birds, preparing printed animal/bird bingo worksheets, preparing smartphones for activity.</p> <p>-Gathering children for the morning circle and introducing today's activities.</p>	<p>- Acceptation of game rules</p> <p>- Checking if children joined the activities</p> <p>- Preparation of necessary items for the activity.</p> <p>-Discussion with children.</p>	<p>In the classroom</p> <p>In the circle</p>
8.30-9.00	Hygiene, breakfast	Shaping the eating and hygiene habits.	Formation of the healthy lifestyle.
9.15-10.00	<p>Motivation:</p> <p>A short discussion about which animals/birds do the children know.</p>	Preparation of activities. Arising of the children's interest in the game.	In the circle

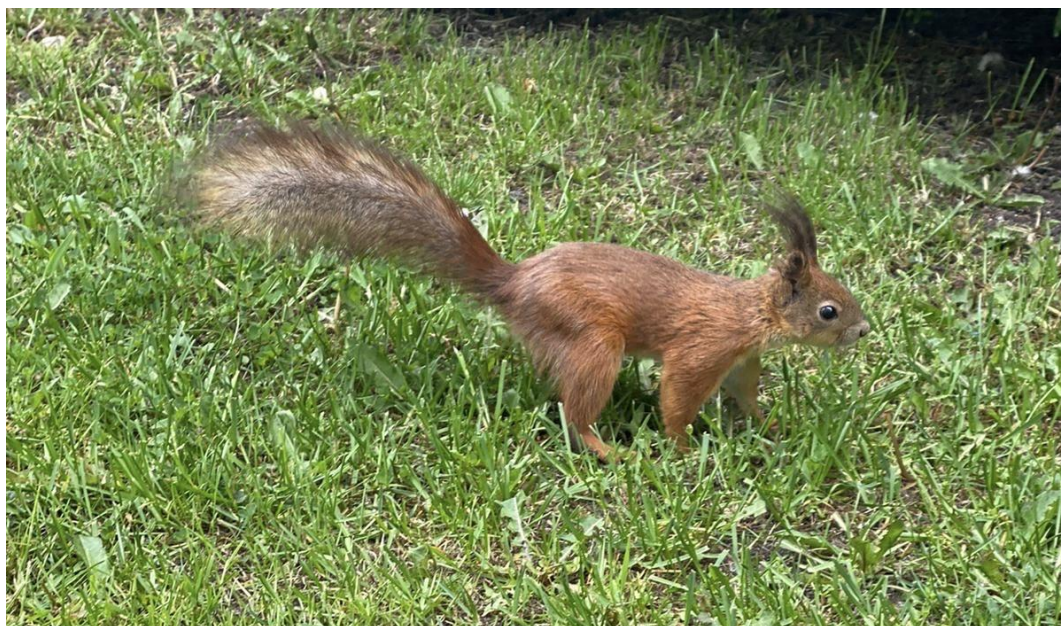
	<p>Playing a game “Where does it live? What does it eat?”</p> <p>Animals and birds live around people:</p> <p>Discussion about how people behave around wildlife and how it affects the animals and birds.</p> <p>Explaining the consequences of people inhabiting the living environment of different animals and birds.</p> <p>“Wildlife bingo” outside:</p> <p>1 Dividing children into 4 groups of investigators.</p> <p>2 Giving bingo worksheets, pencils and smartphones to each group and explaining the task.</p> <p>2 Searching for different birds and animals in our yard.</p> <p>3 Marking the found animals and birds on bingo worksheets, writing their names and taking photos.</p>	<p>Cooperative “Animal Search” in little groups using bingo work sheets and smartphones for taking photos.</p>	<p>Outdoor activity in the kindergarten yard</p> <p>Groups – with prepared devices and means</p>
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	<p>4 Making summary of the “Wildlife Bingo Game” - showing photos of the found animals/birds to the others, what and how many animals/birds did you find? Were the names written correctly?</p>	<p>Discussion about the cooperation and the success of the task.</p> <p>Team and self evaluation</p> <p>Discussion about how people should behave around wild animals and birds.</p>	
<p>15.30-16.30</p> <p>18.30-19.30</p>	<p>Drawing your favourite animal/bird on paper with crayons or colouring pencils.</p> <p>Task to do at home: to take photos of different wild animals and birds with parents. Showing the photos in our classroom next week.</p>		<p>Preparing paper, crayons and colouring pencils for art activity.</p> <p>With parents at home.</p>



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Methodological booklet **A little antenna**, 2020

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Authors:

Materská škola v Rimavskej Sobote, Ul. Rožňavská 29/854, 979 01 Rimavská
Sobota, Slovakia

Mateřská škola Dráček, Mírová 430, Lysá nad Labem – Litel, the Czech Republic

TALLINNA LASTEAED KIIKHOBU, Tammsaare St. 95, 12913 Tallinn, Estonia