

School year  
2012/2013

# Programs for schools, groups and families in Botanic Garden of Ljubljana University



Univerza v Ljubljani



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**PROGRAMS FOR SCHOOLS, GROUPS AND FAMILIES IN  
BOTANIC GARDEN OF LJUBLJANA UNIVERSITY. School year  
2012/2013**

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## PREFACE

Botanic Garden is a piece of true nature which is located in the center of Ljubljana and is also easily accessible by bus. Every year, a large number of pupils, students, tourists, and other groups order a guided tour of the garden, as we organise them for all plant-lovers and for all levels of schooling. We also have prepared special thematic lessons and a variety of different worksheets that pupils and students can work on during the visit, we organise lectures and workshops, even for



the youngest children, childcare with workshops during holidays and birthday celebrations, host a variety of events and exhibitions. We also organise excursions to the Ljubljana Moors, where we learn to observe the surroundings, to exepct them as our own, and thus learn to protect plants in their natural habitats.

Since 2009, we take care for the glasshouse Tivoli, located along side Rose garden and bar Čolnarna, which is attractive all year round, so

you can visit it anytime. You can see tropical plants and cacti, and from April to October also Mediterranean plants on the lawn behind the glasshouse. From November to March Mediterranean plants, cacti and other succulents rest in glasshouse next to Department of Biology near the ZOO. From April to Oktober you can see them in Botanic Garden too.

The great diversity of plants in the Botanic Garden enables the presentation of the garden to go beyond representing basis



information on plants; we try to explain the plant kingdom in a way that is both instructive and interesting. You can visit us all year round, even in the winter, on weekends and holidays. In winter time you can observe nature during the winter rest, or explore tropical plants in our tropical glasshouse.

The knowledge of plants has been in decline. Our expertly trained collaborators will bring you closer to the nature in which we live, but

are hardly aware of nor we know it enough.

By prior agreement, we also organise guided tours, workshops and excursions in other languages than Slovene, even for groups of educators, teachers and professors, for people with special needs: the disabled, blind, deaf, care facilities or kindergardens and schools for children with special needs.



We look forward to your visit!

## SUBSCRIPTION FOR GUIDED TOURS, WORKSHOPS AND EXCURSIONS FOR GROUPS

- Please register for a guided tour **at least 10 days in advance of your visit** by calling Botanic Garden telephone number + **3861 427 12 80 between 7.<sup>30</sup> and 11.<sup>30</sup> a.m.**
- If the group does not have a purchase order - order form or a voucher upon arrival or can not cover the cost of a visit by cash, the group is unable to attend a guided tour.
- Guided tours are organized for groups of minimally 15 persons **according to the rates per person.**
- Guided tours are organized for groups with less then 15 persons **according to the rates per group.**
- Several groups can be taken through the Garden at the same time, none of them being larger than a school class, i.e. 30 persons at the most.
- When applying for a guided tour, please state **the time of beginning** (important if the school groups are planning a meal before tour) and length of tour (plus the time required for any meal during the second and third hour of the tour).
- In case of bad weather, the program can be customized.
- To **postpone** or **cancel** a visit, please call us **at least one day before** the scheduled visit.
- If you are late, we reserve the right to shorten your tour.
- In case you did not come on a guided tour at the appointed time and you have not canceled your visit at least one day before the agreed time, you will be charged a one-hour tour for 15 visitors.
- If the number of participants in a group is 10 or more less than



the announced number, it is necessary to pay a supplement.

- Accompanying teachers of groups of children are present during the visit, they are responsible for the group and do not interfere with a guided tour.
- View of garden with a group is permitted only with guides from Botanic Garden. In tropical glasshouse, guidance is only permitted with our guides. In individual viewing the glasshouse can only be seen in the time when the glasshouse is open, you pay an entrance fee according to the valid pricelist for all visitors, also the accompanying teachers.
- During a guided tour, our guides will work only with worksheets that you got in the garden.

## SUBSCRIPTION FOR BIRTHDAY PARTY

- Please register for a birthday celebration at least **one week** in advance of celebration by calling Botanic Garden telephone number + **3861 427 12 80** before 10.<sup>00</sup> a.m. or by writing an e-mail to [\*\*botanicni.vrt@siol.net\*\*](mailto:botanicni.vrt@siol.net)
- The payment is made at the end of celebrations in cash directly to your guide.
- The price of the 3-hour celebration includes a guide, space, program and materials for the workshops. You have to take care for food, drinks and cutlery (cups, plates, forks...).
- We can attend 5 to 25 children.
- When applying, please state **the time of beginning**; every Birthday celebration at the Botanic Garden lasts for **3 full hours**.
- To **postpone** or **cancel** a visit, please call us **at least one day** before the scheduled visit.
- One day before the celebration, please let us know the exact number of the children.
- The celebration takes place outside if the weather allows, in front of the classroom, where tables and benches are available. In case of bad weather and in winter, the classroom is available.
- All parents may be present throughout the celebrations without payment. It is desirable that the parents of birthday boy / girl are present in the garden all the time.
- During the celebrations birthday boys' / girls' attendants are responsible for the children.

## PROGRAM OF WORKSHOPS AND GUIDED TOURS FOR PRESCHOOL AND PRIMARY SCHOOL GROUPS

In Ljubljana Botanic Garden, we have prepared an extensive program of guided tours of the Botanic Garden and workshops for **preschool groups**. We would like to help our youngest to learn how to observe the surroundings and to exsept them as their own. A broad range of topics allows more visits in the same month or in different seasons of the year, without repeating themes.

For **preschool groups** we recommend a 1-hour visit. 2-hour visit is possible, if you decide to have worksheets (coloring, clustering, drawing), planting or workshops.

For **primary schools** we have prepared an extensive program of guided tours of the Botanic Garden and an excursion to Ljubljana Moors. Explanation is always adjusted to the level of prior knowledge and your specific wishes. At the advanced level, the subjects are very suitable for groups of extrascholar biological activities. By prior agreement we can also organise a special lessons as a preparation for competitions.

The program includes:

- \* general tour on which we present to you the Botanic Garden, its activity and vegetation, related to the season
- \* many different lessons on special topics
- \* excursion to Ljubljana Moors

For the **1<sup>st</sup> and 2<sup>nd</sup> grade of primary school** we recommend 1-hour visit, or 2-hour visit if you decide for worksheets (coloring, clustering, drawing, founding your way - the labyrinths), planting or workshops.

For **grades from 3 to 5 of primary schools**, the guided tour is normally carried out with worksheets, that for we recommend a 2-hour tour. If you decide for 3-hour visit, we add you an individual work or workshop in the last hour.

For **grades from 6 to 8 of primary schools**, the guided tour is normally carried out with worksheets, that for we recommend a 2-hour tour. If you decide for 3-hour visit, we add you an individual work or workshop in the last hour.

## Program for preschool groups and groups from 1<sup>st</sup> and 2<sup>nd</sup> grade of Primary school

### 1. Heralds of spring

In the early spring time the lovely spring flowers we know so well - snowdrops, primroses, hellebores, crocuses, winter aconites - are blooming in the Botanic Garden. A colourful carpet below the still leafless trees. At the workshop children plant spring flowers, create picture with heralds of spring *or (pupils only) make models of heralds of spring.*

Performed in early spring when these plants bloom in the garden.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Cena: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop)

### 2. Late spring in the Garden and in the puddle

The trees have already developed its foliage. Beneath them we encounter ramson with its characteristic odour. More and more plants are in bloom. Life is awakening in the puddle to. We will observe animals in the puddle and children will try to catch animals with nets from our pools. At the workshop children fold frogs from paper and try them out in frog race or create a puddle collage.

Performed in May and June.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets or workshop)

### 3. Blooming Summer (*pre-school only*)

In the summer, meadows are in full bloom, bushes and flower beds are full of colorful flowers. We will draw a picture of the most beautiful



and learn about them. Above the colorful flowers, the butterflies, bees, bumble bees and other pollinators are flying, between the vegetation and in the soil, many organisms are hiding. Which plants pollinators love and why are they visiting those flowers? Can you describe a life of a bumble bee? Do you know how a butterfly evolves from caterpillar or what colors the bees can see?

Performed from June to September.

Duration: 1 hour, 2 hours (with worksheets)

Cena: 2,5 € (1 hour), 3 € (2 hours with worksheets)

### 4. Meadow (*pupils only*)

In summer, the meadow is full of colorful flowers. We will draw a picture of the most beautiful and learn about them. Without the colorful flowers are grasses that are pollinated by wind and were a source of nowadays grains for pre-historical people. Have you ever seen



how corn grows? What about wheat? Above the colorful flowers, the insects are flying, between the vegetation and in the soil, many organisms are hiding.

Performed from May to September.

Duration: 1 hour, 2 hours (with worksheets)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets)

### 5. Autumn in the Forest

The leaves have assumed warm autumnal colours and are already beginning to fall away. Why leaves change colour in autumn and fall off? We collect different leaves and try to draw them. We try to find out which leaves and fruits belong to the same tree. Among the maturing fruits there are some that we already know: walnuts and chestnuts, beechnuts, acorns and maple tree "helicopters". At the workshop we read a story and children make autumn hats.

Performed from September to November.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop)

### 6. Pumpkin the Pumpkin and Halloween

In the late Autumn time we take a look at different kinds of pumpkins, learn how to say pumpkin in various parts of the world, discuss about Celtic New Year and Halloween and make a ghost, bat, spider, witch or pumpkin. If you visit us together with the parents, you can also carve jack-o'-lanterns or decorate lanterns made out of jars.

Performed in October.

Duration: 2 hours

Price: 3,5 €

### 7. Fruits and dispersal of plants

Plants of our region and of foreign countries terminate the autumn growing season through the maturing of their fruits. Some fruits are widely known while others attract attention for their unusual shape. Some are edible while others may be worked into animal shapes. Some are encased in a rock-hard shell, others are juicy and odorous. How many different fruits will we count? At the workshop children create models of maple tree fruits and test which of them fly best or create with fruits.

Performed from September to November.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop)





with workshop)

### 8. Winter in the Botanic Garden

Botanic Garden is interesting even in the winter. Residues of dried plants, covered with snow or frost are real garden ornaments. In January witch-hazel starts to bloom, otherwise conifers are more prominent during winter. At the workshop children create New Year Card or book pointer from dried leaves and flowers or little man from cone for Christmas tree.

Performed in winter months.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop)



### 9. Traveling to the Tropics

Tropical glasshouse is pleasantly warm, the plants abundantly grow and remind us of the summer. Have you ever been in South America, Asia, Australia or Africa? No? Then come and take a trip with us! We will meet tasty vanilla, hide under leaves of banana tree, see plants from the time of dinosaurs... Beside tropical plants that we often have in our homes or take part in our diet, We will also take a look at carnivorous plants. Do you want to know what they eat, how they hunt their prey and why or how many different we can find? At the workshop children plant or make model of carnivorous plant.

The Tropical glasshouse is attractive all year round, so you can visit it anytime.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop)

### 10. Looking for Adventure

Who will be the first to find a snail shell? Whose cone is the biggest of all? How many of us must hold hands to form a circle around the linden tree which is the oldest tree in the garden? Do we know how it feels to carry a tender newt? What does the goldfish feed on? Do snails also live in water? What colour is the waterlily? Let us take a look at a tulip flower! How does a peanut grow? Are blooms the only part of plants that have an odour? In different seasons, weather conditions and parts of the day, the experiences differ greatly!

Performed throughout the year.

Duration: 1 hour

Price: 2,5 €

## 11. Plant propagation

Who would not want to observe the development of plants from seed on? When we open delicious orange, sour lemon, big grapefruit and found the seeds in them, we plant them carefully. We discuss the reason why the bottom of the flower pot has a hole in it, why a shard should be placed over the hole, why plants need water, how a new plant will develop from the seed. Instead of planting seeds into ordinary pots, we can make a real sprouters so that every day we can take a look if our seed has sprouted yet.

We also learn about special plants that do not need seeds for propagation and what are the cuttings. Instead of seeds, you can select a young plant with roots and transplate it into your pot and take it home with you.



You can combine this workshop with the themes Hearlds of Spring, Blooming Summer, Meadow, Traveling to the Tropics or Looking for Adventure.

Performed throught the year.

Duration: 1 hour, 2 hours (in combination with different themes)

Price: 3 € (1 hour), 3,5 € (2 hours)

## 12. Trees of our Forest

How many trees do we recognize when taking a walk through a forest? Do we distinguish spruce from fir and yew? We will learn about some of our best known trees, collect their leaves and paste them beside the bark imprints that we will make together. At the workshop children plant a tree, create a model of a tree from cardboard or in autumn, when leaves take vivid colours and drop from tree, make imprints of leaves.

Performed from April to November.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop)

## 13. Trees in superlatives (*pupils only*)

How thick is Najevnik linden tree? Which trees grow in the time of dinosaurs? Can you describe the bark of world highest trees? Which conifers loose leaves in autumn? Which tree blooms from the tree trunk? Wood of which tree burns even wet? At the workshop children are trained in close observation, learn about different cones, determine the age of the tree and look for different parts of the same tree.

Performed from April to November.





Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours workshop)

#### 14. Tree in the Four Season

Which seasons we know? Are four seasons present worldwide? Do you know that they have winter in Australia, when we have summer? What causes the season? Are trees the same through all seasons? We will find answers to all these questions and give trees on flexagone the covering in spirit of the season.

You can combine this workshop with themes Late spring in the Garden and in the Puddle, Looking for Adventure, Autumn in the Forest, Winter in the Botanic Garden, Trees of our Forest, Trees in superlatives and/or with planting.

Duration: 1 hour, 2 hours (in combination with different themes and/or planting)

Price: 3 € (1 hour)

3,5 € (2 hours in combination with different themes or planting)

4 € (2 hours in combination with different themes and planting)

Against additional payment, all themes and workshops can be performed in combination with planting.

## Program for grades 3 to 5 of Primary school

### 1. General tour of Botanic Garden in different seasons

We take a look at all parts of the Botanic Garden: Arboretum, Rockery, Tropical glasshouse, Wetlands, Plant system... and learn about typical plants, their characteristics, habitats... The Botanic Garden is more than just an interesting park. In the very center of Ljubljana, you can observe the endangered, rare or nearly extinct



plants, see plants from all parts of Slovenia and from other parts of the World, you see animals who have found refuge in similar conditions as in nature. Every season shows a different picture of the plant kingdom.

Performed throughout the year.

### 2. Structure, growth and development of plants

On live plants pupils learn what are adventitious roots or which form of leaves we differentiate. They can observe flower structure and all parts of flower, that are necessary for reproduction or recognize the importance of forms of fruit for their vectors.

#### *(1) Plant propagation - seeds and cuttings*

Who would not want to observe the development of plants from seed on? When we open delicious orange, sour lemon, big grapefruit and found the seeds in them, we plant them carefully. While planting we discuss what seeds and plants need to grow, what is a proper way to plant them and how to take care for them, how will a new plant grow from the seed. Instead of sowing seeds into ordinary pots, we can make a real sprouter so that every day we can take a look if our seed has sprouted yet.

We also learn about special plants that do not need seeds for propagation and what are the cuttings. Instead of seeds, you can select a young plant with roots and transplant it into your pot and take it home with you.

You can combine this workshop with the themes General tour, Meadow and meadow plants, Honey plants and pollinators, Plant organs, Tropical glasshouse and Plants from hot places and their adaptations.

Duration: 1 hour, 2 hours (in combination with different themes), 3 hours (in combination with different themes)



Price: 3 € (1 hour), 3,5 € (2 hours), 4 € (3 hours)

## **(2) Plant organs**

\* **Roots, stem, leaf, flower**

\* **Flower – structure nad function**

\* **Workshop Flower**

\* **Soil and roots**

## \* **Fruits and dispersal of plants**

Plant of our region and from foreign countries are ending growth season with fruit ripening, We will take a look at different fruits, observe and describe their structure, think about possible vectors, distinguish dry and fleshy fruits, learn what is seed, what fruit and what a multiple fruit. At the workshop children make models of linden tree fruit, test which flies best and think by which device man imitated linden tree fruit, or they can create with fruits.

Duration: 1 hour, 2 hours (with worksheets or workshop), 3 hours (with worksheets and workshop)

Price: 2,5 € (1 hour)

3 € (2 hours with worksheets or workshop Magnifiers)

3,5 € (2 hours with workshop Flower/Fruits and dispersal of plants)

3,5 € (3 hours with workshop Magnifiers)

4 € (3 hours with workshop Flower/Fruits and dispersal of plants)

## **3. Habitats**

In various parts of the garden, pupils learn about different habitats, which are characterized by unique plants. On meadow and in plant system, they learn about meadow plants, in the puddle and in pools they observe aquatic, marsh and bog plants and aquatic animals. In rockery they get to know mountain and karst plants, including many endangered and protected. In Arboretum they learn about native and

exotic woody species, ecology of plants in the undergrowth, vines, importance of the forest... They learn the difference between spruce and fir, how to recognize yew, what is the difference between bush and tree... In winter they learn how to distinguish different tree species by characteristics of their bark, growth, winter buds. The Tropical glasshouse offers the possibility of learning about the tropical climate, vegetation, adaptations of plants to the ecological conditions in the tropical rain forest.

## **(1) Puddle, marsh and bog**

In late spring the life is awakening in the puddle too. We will hunt animals with nets and take a closer look at them, learn about aquatic, and marsh plants and their adaptation to the environment. The Botanic Garden is located on the outskirts of Ljubljana Moors, where several thousand years ago pile dwellers lived. What is a bog or moor anyway and how it differs from marsh? What plants grow in the moors? How did the Ljubljana Moors develop and what says a legend



about the origin of Ljubljana? Will we find plant residues in peat and remains of snails in marlstone? Would you like to know which plants were pile dwellers using for building houses, making clothes and food? At the workshop, pupils create a puddle collage: cut pictures of plants and animals out of paper, adhere them to the appropriate location on the drawing of the puddle and colour them. For the 5<sup>th</sup> grade, there is also a possibility of workshop Magnifiers (observation of parts and sections of aquatic, marsh and bog plants).

Performed from May to September.

Duration: 1 hour, 2 hours (with worksheets or workshop), 3 hours (with workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets or workshop), 3,5 € (3 hours)

### ***(2) Carnivorous plants***

Carnivorous plants have evolved in environments where there is a lack of minerals. Where are such environments? Do carnivorous plants grow in Slovenia? Which famous scientist was experimenting with carnivorous plants? During the tour we will answer all these questions and also learn about other bog plants and find out what are epiphytes. At the workshop we will observe carnivorous plants with magnifiers and create models of carnivorous plants.

Performed throughout the year.

Duration: 1 hour, 2 hours (with worksheets or workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop)

### ***(3) Meadow and meadow plants***

In summer, the meadow is full of colorful flowers. We will draw a picture of the most beautiful and learn about them. Without the

colorful flowers are grasses that are pollinated by wind and were a source of nowadays grains for pre-historical people. Have you ever seen how corn grows? What about wheat? Above the colorful flowers, the insects are flying, between the vegetation and in the soil, many organisms are hiding. We compare the diversity of plants in the meadow and in the forest, survival strategies of annuals and perennials, discover how the plants are adapted to grazing and mowing. We talk about the importance of proper maintenance of the meadows for the preservation of flora and fauna and about the problems of fertilizing and mowing with modern machinery.

Performed from May to September.

Duration: 1 hour, 2 hours (with worksheets or workshop), 3 hours (with workshop)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets), 3,5 € (2 hours with workshop), 4 € (3 hours)

### ***(4) Create a plant that...***

We discuss which habitats we know. How plants survive on seashore? What about in hot, dry desert? How they survive a winter or a fire? We use our imagination and invent plants that can grow in a puddle, in the mountains, survive a fire... Then we walk through all parts of Botanic Garden: Arboretum, Rockery, Tropical glasshouse, Wetlands, Plant system... and learn about typical plants, their characteristics, habitats... We find out how real plants, that can survive under the same conditions as the ones we have created, look like.

Performed from April to October.

Duration: 2 hours

Price: 3,5 €



### ***(5) Forest and woody plants***

What is the forest and what is its significance? Are all forests the same? How many trees we recognise when we walk around the forest? Beech, oak, spruce? What about the chestnut, maple and birch? What is the difference between a spruce, serbian spruce and fir? How can we recognize yew? Do we know some tree eccentrics, such as Najevnik linden tree, a tree from the time of dinosaurs, the highest trees in the world? What is the difference between bush and a tree? We will learn about some of the most well-known tree species: from Slovenia and abroad, compose food chains and play a game A puzzle of life. At the workshop children make prints of bark and determine to which tree they belong to, learn about different cones, determine the age of the tree and look for different parts of the same tree. They can also plant their own tree. In the autumn, they can make prints of different leaves or pictures out of dried leaves.

Performed from April to November.

Duration: 2 hours, 3 ure (with workshop and/or planting)

Price: 3 € (2 hours with worksheets)

4 € (3 hours with workshop or planting)

4,5 € (3 hours with workshop and planting)

### ***(6) Trees during winter***

Botanic Gardens is interesting even in the winter. We can observe woody plants in an entirely new light: we observe the color of the bark, observe and touch the surface of the bark, observe, compare and sketch growth habit - the shape of a tree, the way how it grows. We observe winter buds, conifers and bushes that flower in winter, such as witch-hazel and wintersweet.

Performed in winter months.

Duration: 1 hour, 2 hours (with worksheets)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets)

### ***(7) Tropical glasshouse - plants of tropical and subtropical sites and adjustments to their environment***

Tropical glasshouse is pleasantly warm, the plants abundantly grow and remind us of the summer. We will see plants from South America, Asia, Australia and Africa, among others tasty vanilla, spicy ginger, peanuts, further on plants from the time of dinosaurs, papyrus, find out which leaves were people using as book pointers, look for plants in which tropical tree frogs lay their frogspawn and test which characteristics are necessary that the water drains out of the leaf. We will talk about tropical climate, take a look at various adaptations of tropical plants and learn about carnivorous plants.

The Tropical glasshouse is attractive all year round, so you can visit it anytime.

Duration: 1 hour, 2 hours (with worksheets)

Price: 2,5 € (1 hour), 3 € (2 hours with worksheets)

### ***4. Plant system***

In combination with general tour, learning about plant organs, forest or meadow, pupils can observe differences between monocotyledonous and dicotyledonous plants, gymnosperms and angiosperms or determine plants with the simplified Identifying keys.

***(1) How to determine plants?*** (using simplified Identifying keys)

### ***5. Plants, their use and importance for humans***

#### ***(1) Plants and Festivals: Pumpkin the Pumpkin and the Halloween***

In late autumn, we take a look at different pumpkins, learn how they say pumpkin in various parts of the world, we discuss about Celtic New Year and Halloween and make a ghost, bat spider, witch or pumpkin, carve jack-o'-lanterns or decorate lanterns made out of jars.

Performed in October.

Duration: 2 hours

Price: 3,5 €

### 6. Magnifiers (only for 5<sup>th</sup> grade)

As a supplement to some lessons, offered in Botanic Garden, the use of monocular magnifiers, is now also available. With the help of magnifiers, pupils can get to know with a miniature world of plants



that can not be seen by the naked eye; they can observe the inside of the blossom, parts of the blossom, and other plant organs. They can also admire the diversity in form of seeds and other concealed structures in different parts of a plant.

#### (1) Seeds

#### (2) Plant organs

### 7. Plant detectives – individual work

Pupils get a worksheet that has a map of the garden with marked research stations on one side and drawing of a daisy with research tasks on the other. In small groups they walk around the garden using map and try to solve the tasks: observe or smell the plants, stick leaves, do the experiment, draw, look for plants with certain characteristics... and record their findings. Such a worksheet is an excellent orientation and research tool that encourages orientation on the field, observing, sketching...

Suitable for 1-hour tour. For 2- or 3-hour tour only in combination with different themes.

Duration: 1 hour, 2 hours (in combination with different themes), 3 hours (in combination with different themes)

Price: 2,5 € (1 hour)

### 8. Excursion to Ljubljana Moors

We briefly present the Botanic Garden, where we particularly focus on bog plants, that have become practically extinct in the Ljubljana Moors. On the Moors we visit the remains of peat bog Mali Plac, where the marshes and bog vegetation can be seen, and peatlands of Jurč, where we can see the remains of peat and observe the overgrowth. We think about the correctness of certain interventions in this endangered and protected environments. We observe and learn about the flora and fauna on meadows, fields and in the forest, we learn about the origin and historical development of the Ljubljana Moors, talk about pile dwellers and their culture, flora and fauna in the past and nowadays, think about the reasons for the disappearance of marshes and bogs, and the prospects for their preservation. We also do the experiments with pH. If you decide for an excursion at a time when Snakeshead Lili is in full bloom, we also visit the wet meadows in village Bevke and observe this protected beauty in its natural environment.



Performed from April to September.

- (1) Excursion to Ljubljana Moors: visitation of the remains of a peat bog Mali Plac with its typical vegetation and peatlands of Jurč**
- (2) Bog plants in the Botanic Garden and the excursion to Ljubljana Moors**

Trajanje in cena:

- \* 3 hours... 4,5 € (excursion to Ljubljana Moors)
- \* 4 hours... 5,5 € (1-hour guided tour of the Botanic Garden + 3-hour excursion to Ljubljana Moors)
- \* 5 hours... 6,5 € (2-hour guided tour of the Botanic Garden + 3-hour excursion to Ljubljana Moors)

Excursion is suitable for pupils from 5<sup>th</sup> to 8<sup>th</sup> grade. We recommend 3-hour excursion. 4-hour and 5-hour excursion are suitable in combination with the guided tour of the Botanic Garden.

Against additional payment, all themes and workshops can be performed in combination with planting.

## Program for grades 6 to 8 of Primary school

### 1. General tour of Botanic Garden in different seasons

We take a look at all parts of the Botanic Garden: Arboretum, Rockery, Tropical glasshouse, Wetlands, Plant system... and learn about typical plants, their characteristics, habitats... The Botanic Garden is more than just an interesting park. In the very center of Ljubljana, you can observe the endangered, rare or nearly extinct plants, learn about species diversity - biodiversity of Slovenia and the world, you see animals who have found refuge in similar conditions as in nature. Every season shows a different picture of the plant kingdom.

Performed throughout the year.

### 2. Ecology

Each biological community is characterized by unique plants. On meadow and in plant system, we learn about meadow plants, in the puddle and in pools we observe aquatic, marsh and bog plants and aquatic animals. In rockery we get to know mountain and karst plants, including many endangered and protected. In Arboretum we learn about native and exotic woody species, ecology of plants in the undergrowth, vines, importance of the forest... We learn the difference between spruce and fir, how to recognize yew, what is the difference between bush and tree... In winter we learn how to distinguish different tree species by characteristics of their bark, growth, winter buds. The Tropical glasshouse offers the possibility of learning about the tropical and subtropical ecosystems, the local climate, vegetation, adaptations of plants to the ecological conditions in the tropical rain forest, interspecies relationships.

- (1) Ecology, ecosystems and ecological conditions of plants**
- (2) Meadow and meadow plants** (performed from May to September)
- (3) Puddle, marsh and bog** (performed from May to September)

**(4) Tropical glasshouse – plants of tropical and subtropical sites and adjustments to their environment** (performed throughout the year)

**(5) Plants of environments low of nutrients – carnivorous plants** (performed throughout the year)

**(6) Forest and woody plants** (performed from April to November)

**(7) Trees during winter** (performed in winter months)

### 3. Systematics

Systematics is the part of biology, that is in school benches at least interesting, but if you go into the wild, it becomes a real adventure. In Botanic Garden pupils observe live plants, they get a sense of how big it really is a Linné's contribution to the understanding of the plant kingdom. We walk among the flower beds in the plant system and learn about the diversity of plant species within the same family. In combination with general tour, learning about forest or meadow, pupils can observe differences between monocotyledonous and dicotyledonous plants, gymnosperms and angiosperms or determine plants with the simplified Identifying keys.

**(1) Systematics**

**(2) How to determine plants?** (using simplified Identifying keys)

### 4. Magnifiers

As a supplement to some lessons, offered in Botanic Garden, the use of monocular magnifiers, is now also available. With the help of magnifiers, pupils can get to know a miniature world of plants that can not be seen by the naked eye; they can observe the inside of the blossom, parts of the blossom, and other plant organs. They can also admire the diversity in form of concealed structures in different parts of a plant.

**(1) Systematics**

### 5. Plants, their use and importance for humans

**(1) Plants, their use and importance for humans**

**(2) Medicinal plants**

Performed from May to October.

### 6. Individual work

Pupils get a worksheet that has a map of the garden with marked research stations on one side and drawing of a daisy with research tasks on the other. In small groups they walk around the garden using map and try to solve the tasks: observe or smell the plants, stick leaves, do the experiment, draw, look for plants with certain characteristics... and record their findings. Such a worksheet is an excellent orientation and research tool that encourages orientation on the field, observing, sketching...

Suitable for 1-hour tour. For 2- or 3-hour tour only in combination with different themes.

Duration: 1 hour, 2 hours (in combination with different themes), 3 hours (in combination with different themes)

Price: 2,5 € (1 hour)

### 7. Excursion to Ljubljana Moors

We briefly present the Botanic Garden, where we particularly focus on bog plants, that have become practically extinct in the Ljubljana Moors. On the Moors we visit the remains of peat bog Mali Plac, where the marshes and bog vegetation can be seen, and peatlands of Jurč, where we can see the remains of peat and observe the overgrowth. We think about the correctness of certain interventions in this endangered and protected environments. We observe and learn about the flora and fauna on meadows, fields and in the forest, we learn about the origin and historical development of the Ljubljana Moors, talk about pile dwellers and their culture, flora and fauna in

the past and nowadays, think about the reasons for the disappearance of marshes and bogs, and the prospects for their preservation. We also do the experiments with pH. If you decide for an excursion at a time when Snakeshead Lili is in full bloom, we also visit the wet meadows in village Bevke and observe this protected beauty in its natural environment.

Performed from April to September.

*(1) Excursion to Ljubljana Moors: visitation of the remains of a peat bog Mali Plac with its typical vegetation and peatlands of Jurč*

*(2) Bog plants in the Botanic Garden and the excursion to Ljubljana Moors*

Duration and Price:

- \* 3 hours... 4,5 € (excursion to Ljubljana Moors)
- \* 4 hours... 5,5 € (1-hour guided tour of the Botanic Garden + 3-hour excursion to Ljubljana Moors)
- \* 5 hours... 6,5 € (2-hour guided tour of the Botanic Garden + 3-hour excursion to Ljubljana Moors)

We recommend 3-hour excursion. 4-hour and 5-hour excursion are suitable in combination with the guided tour of the Botanic Garden.

## PROGRAM OF GUIDED TOURS AND EXCURSIONS FOR SECONDARY AND HIGH SCHOOLS

In Ljubljana Botanic Garden we have prepared an extensive program of guided tours of the Botanic Garden and an excursion to Ljubljana Moors for **secondary and high schools**.

Topics relate to the curriculum in all grades, so they can help you to extend, illustrate and supplement the regular teaching process. Lessons are suitable for high school program, as well as for different secondary school programs. Explanation is always adjusted to the level of prior knowledge and your specific wishes. We have also prepared lessons for some specific secondary programs, such as kindergarden teacher, hairstylist, decorator, pharmacy technician... At the advanced level, the subjects are very suitable for groups of extrascholar biological activities. By prior agreement we can also organise a special lessons as a preparation for competitions.

The program includes:

- \* general tour on which we present to you the Botanic Garden, its activity and vegetation, related to the season
- \* many different lessons on special topics
- \* excursion to Ljubljana Moors

For **secondary and high schools**, the guided tour is normally carried out with worksheets, that for we recommend a 2-hour tour. If you decide for 3-hour visit, we add you an individual work or workshop in the last hour.

### 1. General tour of Botanic Garden in different seasons

We take a look at all parts of the Botanic Garden: Arboretum, Rockery, Tropical glasshouse, Wetlands, Plant system... and learn about typical plants, their characteristics, habitats... The Botanic



Garden is more than just an interesting park. In the very center of Ljubljana, you can observe the endangered, rare or nearly extinct plants, learn about species diversity - biodiversity of Slovenia and the world, you see animals who have found refuge in similar conditions as in nature. Every season shows a different picture of the plant kingdom.

Performed throughout the year.

## **2. Structure of the plants, biological communities and ecology**

On live plants, students observe how mono- and dicotyledons, gymnosperm and angiosperms differ. Each biological community is characterized by unique plants. On meadow and in plant system, we learn about meadow plants, in the puddle and in pools we observe aquatic, marsh and bog plants and aquatic animals. In rockery we get to know mountain and karst plants, including many endangered and protected. In Arboretum we learn about native and exotic woody species, ecology of plants in the undergrowth, vines, importance of the forest... The Tropical glasshouse offers the possibility of learning about the tropical and subtropical ecosystems, the local climate, vegetation, interspecies relationships.

*(1) Plants, their use and importance for humans*

*(2) Medicinal plants* (performed from May to October)

*(3) Meadow and meadow plants* (performed from May to September)

*(4) Plants and animals in the puddle, bog plants in the Botanic Garden* (performed from May to September)

*(5) Tropical glasshouse - plants of tropical and subtropical sites and adjustments to their environment* (performed throughout the year)

*(6) Ecology, ecosystems and ecological conditions of plants*

*(7) Forest and woody plants* (performed from April to November)

*(8) How to present plants to preschool children?*

*\* Autumn, Carnivorous plants and Poisonous plants*

*\* Trees during Winter, Hearlds of Spring and Fruits*

*\* Meadow, Puddle and Poisonous plants*

## **3. Systematics**

Systematics is the part of biology, that is in school benches at least interesting, but if you go into the wild, it becomes a real adventure. In Botanic Garden students observe live plants, they get a sense of how big it really is a Linné's contribution to the understanding of the plant kingdom. We walk among the flower beds in the plant system and learn about the diversity of plant species within the same family. Using the Identifying keys, students can be introduced to determining plants and arranging them into the plant system. It is performed in combination with general tour, learning about the differences between monocotyledonous and dicotyledonous plants, gymnosperms and angiosperms or determining plants with the Identifying keys.

*(1) Systematics*

*(3) How to determine plants?* (using advanced Identifying keys)

## **4. Magnifiers**

As a supplement to some lessons, offered in Botanic Garden, the use of monocular magnifiers in combination with the software Motic Educator, is now also available. With the help of magnifiers, students can get to know with a miniature world of plants that can not be seen by the naked eye; they can observe the inside of the blossom, parts of the blossom, and other plant organs. They can also admire the diversity in form of seeds and other concealed structures in different parts of a plant. Motic Educator program allows the images to be simply captured and edited.

*(1) Seeds*

*(2) Plant organs*

*(3) Systematics*

## 5. Excursion to Ljubljana Moors

We briefly present the Botanic Garden, where we particularly focus on bog plants, that have become practically extinct in the Ljubljana Moors. On the Moors we visit the remains of peat bog Mali Plac, where the marshes and bog vegetation can be seen, and peatlands of Jurč, where we can see the remains of peat and observe the overgrowth. If you decide for an excursion at a time when Snakeshead Lili is in full bloom, we also visit the wet meadows in village Bevke and observe this protected beauty in its natural environment.

Performed from April to September.

*(1) Excursion to Ljubljana Moors: visitation of the remains of a peat bog Mali Plac with its typical vegetation and peatlands of Jurč*

*(2) Bog plants in the Botanic Garden and the excursion to Ljubljana Moors*

Duration and Price:

- \* 3 hours... 4,5 € (excursion to Ljubljana Moors)
- \* 4 hours... 5,5 € (1-hour guided tour of the Botanic Garden + 3-hour excursion to Ljubljana Moors)
- \* 5 hours... 6,5 € (2-hour guided tour of the Botanic Garden + 3-hour excursion to Ljubljana Moors)

We recommend 3-hour excursion. 4-hour and 5-hour excursion are suitable in combination with the guided tour of the Botanic Garden.

## BIRTHDAY PARTY

Every Birthday celebration at the Botanic Garden lasts for three full hours, the date and time is chosen by you. The celebration takes place outside if the weather allows, in front of the classroom, where tables and benches are available. In case of bad weather and in winter, the classroom is available, where we also have the fridge with small freezer. All activities in the Garden are conducted by a guide, during the celebrations birthday boys' /girl's attendants are responsible for the children.

Activities and their complexity depends mainly on the age of children, as well as on the season.

**The price is 100 €.** The price of the 3-hour celebration includes a guide, space, program and materials for the workshops. You have to take care for food, drinks and cutlery (cups, plates, forks...). Birthday



boy / girl receives garden birthday present. We can attend 5 to 25 children.

All parents may be present through the celebrations without payment. It is desirable that the parents of birthday boy / girl are present in the garden all the time. The date of the celebration must be arranged at least one week before the celebration by phone or e-mail in order to provide you a guide. One day before the celebration, please let us know the exact number of the children. For additional information, it is best to call in the garden before 12.<sup>00</sup> a.m.

We regularly carry out the celebrations **Heralds of spring, Hide and Seek with Plants, Planting or making sprouters, Wonderland world of trees, Carnivorous plants, Puddle, Honey plants, Imaginative plants, Auntie Autumn, Pumpkin the Pumpkin and Halloween and Creating with plants.**



### 1.) **Heralds of spring (age: 4 years and up)**

The celebration is started with the game and followed by an adventurous walk through the garden: we touch the plants, smell them, talk about curiosities from the world of plants, take a peek in a tropical glasshouse, tell a poem, story or a riddle, depending on the age of the children. We focus on heralds of spring - snowdrops, primroses, Christmas roses, crocus, winter aconites... We also present bushes that flower in winter: witch-hazel, winter sweet ... After a walk, children can eat and drink, then they plant their own plant and take it home with them or create a picture with heralds of spring or models of heralds of spring. Older children can do both: creating images with heralds of spring or making models of heralds of spring and planting. Afterwards it is time for celebration, and if there is still enough time, we finish with a game. In case of bad weather, the program is carried out in the glasshouse and in the classroom.

Performed in early spring when these plants bloom in the garden.

### 2.) **Hide and Seek with Plants (age: 5 years and up):**

The celebration is started with the game and followed by an adventurous walk through the garden: we touch the plants, smell them, talk about curiosities from the world of plants, tell a poem, story or a riddle, depending on the age of the children and season. The guide presents some interesting plants that are also included in the search of the hidden treasure. After a walk, children can eat and drink, then they search for the hidden treasures. Children get cards with description of plants and try to identify the plants by description and find it, for the youngest, the descriptions are accompanied by images of plants. Guide accompanies children and helps them. As the treasure, children get sweets, but it is also an option that parents bring gifts for all children. Afterwards it is time for celebration, and if there is still enough time, we finish with a game. You can combine treasure hunt with planting. In case of bad weather, the entire program - an adventurous walk and treasure hunt, is carried out in glasshouse.



Performed throught the year.

### 3.) Planting or making sprouters (age: 4-8 years):

The celebration is started with the game and followed by adveturous walk through the garden: we touch the plants, smell them, talk about curiosities from the world of plants, tell a poem, story or a riddle, depending on the season. After a walk, chidren can eat and drink, then they plant their own plant and take it home with them. Afterwards it is time for celebration, and if there is still enough time, we finish with a game. The selection of plants depends on season.

Instead of planting plants, children can make a real sprouters and sow seeds. They decorate sprouters and at home observe how seed grows. On adventurous walk we can focus on woody plants and then the trees can be planted. In case of bad weather, the entire program - an adveturous walk and planting, is carried out in the glasshouse. Making of sprouters take place in the classroom.



Performed throught the year.

### 4.) Wonderland world of trees (age: 6 years and up):

The celebration is started with the game and followed by adveturous walk through the garden: we touch the plants, smell them, look for fruits, talk about curiosities from the world of plants, take a peek in a tropical glasshouse, tell a poem, story or a riddle, depending on the age of the children and season. We focus on woody plants: bushes and trees, get to know a few deciduous trees and conifers, the difference between bush and tree, trees from the time of dinosaurs... We measure the thickest tree in the garden and compare it with a



thickness of the thickest representative of its kind in Slovenia. After a walk, chidren can eat and drink, then they have the task to find those parts of trees that belong together from the mixture, try to determine which cone belongs to which tree, make prints of bark. Afterwards it is time for celebration, and if there is still enough



time, we finish with a game. Children can also plant trees.

Performed throughout the year.

### 5.) Carnivorous plants (age: 6 years and up):

The celebration is started with the game and followed by adventurous walk through the garden: we touch the plants, smell them, talk about curiosities from the world of plants, tell a poem, story or a riddle, depending on the age of the children and season. We focus on carnivorous plants, explain why they catch insects, and children take a closer look with the help of magnifiers at species that grow in the glasshouse. After a walk, children can eat and drink, then they create a model of carnivorous plants. Afterwards it is time for celebration, and if there is still enough time, we finish with a game.

Performed throughout the year.

### 6.) Puddle (age: 4 years and up):

The celebration is started with the game and followed by adventurous walk through the garden: we touch the plants, tell a poem, story or a riddle, depending on the age of the children and season. We focus on aquatic and marsh plants, we also take a look at the animals that live in our puddle. Children can try to catch animals with nets from our pools. After a walk, children can eat and drink, then younger children fold frogs from paper and try them out in frog race, and older ones create a puddle collage: cut pictures of plants and animals out of paper, adhere them to the appropriate location on the drawing of the puddle and colour them. Older children can do both: fold frog in origami technique and create collage. Afterwards it is time for celebration, and if there is still enough time, we finish with a game. In case of bad weather, we prepare some aquatic plants and animals in the classroom, where we carry out the entire program. We also take a look into a tropical glasshouse and the tropical species of aquatic and marsh plant growing there.



Performed from May to September.



### 7.) Honey plants (age: 6 years and up):

The celebration is started with the game and followed by adventurous walk through the garden, among which we are looking for lost bees: we touch the plants, smell them, look for fruits, talk about curiosities from the world of plants, take a peek in a tropical glasshouse, tell a poem, story or a riddle, depending on the age of the children. We focus on honey plants. Children learn which plants attract bees, which ones bumble bees, butterflies..., why pollinators are important. After a walk, children can eat and drink, then they plant the plant that attract bees or create their own butterfly or bee. Older children can do both: plant and make butterfly or bee. Afterwards it is time for celebration, and if there is still enough time, we finish with a game.

Performed from June to September.

### 8.) Imaginative plants (age: 6 years and up):

The celebration is started with the game and followed by a discussion which habitats we know, how plants survive on seashore or in hot, dry desert, how they survive a winter or a fire. We use our imagination and invent plants that can grow in a puddle, in the mountains, survive a fire... When they finish their imaginative plants, children can eat and drink, then we walk through all parts of Botanic Garden: Arboretum, Rockery, Tropical glasshouse, Wetlands, Plant system... and learn about typical plants, their characteristics, habitats... We find out how real plants, that can survive under the same conditions as the ones we have created, look like. In case of bad weather, the entire program is carried out in the glasshouse. Afterwards it is time for celebration, and if there is still enough time, we finish with a game. Children can plant as well.

Performed from April to October.

### 9.) Auntie autumn (age: 4-8 years):

The celebration is started with the game and followed by adventurous

walk through the garden: we touch the plants, smell them, look for fruits, talk about curiosities from the world of plants, tell a poem, story or a riddle. We learn why leaves change colour in autumn and fall of. We collect various leaves and fruits and try to find out which leaves and fruits belong to the same tree. We take a look at some well-known fruits and some more unusual. After a walk, children can



eat and drink, then we read a story and children make autumn hats or maple seed models and test which one flies best. Older children can do both: make autumn hat and model of maple seed. Afterwards it is time for celebration, and if there is still enough time, we finish with a game.

Performed from September to November.

### 10.) Pumpkin the Pumpkin and Halloween (age: 4 years and up)

The celebration is started with the game and followed by learning how to say pumpkin in various parts of the world. We take a look at different kinds of pumpkins, discuss about Celtic New Year and



Halloween and make a ghost, bat, spider, witch, pumpkin or decorate lanterns made out of jars. If you can ensure the presence of several adults or assistants, then the older children can carve jack-o'-lanterns. Afterwards it is time for celebration, and if there is still enough time, we finish with a game.

Performed in October.



#### 11.) Creating with plants (age: 4 years and up):

The celebration is started with the game and followed by creative workshop. Children make a picture or a design, such as different animals from plants. You can decide for making pictures out of seeds and fruits or dried leaves, figures from cones, making bird or hedgehog, making greeting card, book pointers... The choice depends on the season and age of children. You can combine creative workshop with adventurous walk. Afterwards it is time for celebration, and if there is still enough time, we finish with a game.

Performed throughout the year, especially in autumn and winter months

## BOTANIC HOURS



Botanic hours are ment for children from age 5 to 9. A multi-day program takes place throught the day, between 7.<sup>30</sup> an 16.<sup>30</sup>, during school holidays. It includes lessons and activities for relaxation. Children join as in the morning, anytime between 7.<sup>30</sup> and 9.<sup>00</sup> and leave in the afternoon, anytime between 15.<sup>00</sup> and 16.<sup>30</sup>. We learn about plants, play, read stories, create, have fun and learn a lot. Parents are involved on the last day of the program, when they can join as in the afternoon on a tour of the garden, on which children present the plants.

The program will be realised if we receive sufficient number of applications; we can accept 10 - 20 children.



Involvement of the children in the holiday program is at your own risk. Children must have their accident insurance. Children will be photographed, with your permission, for the documentation of the garden. Children should be properly dressed according to the weather, they should bring slippers, sunscreen, hat and repellents anti-mosquitoes and ticks.

#### Daily program:

7.<sup>30</sup> - 9.<sup>00</sup>: arrival, good morning game

9.<sup>00</sup> - 9.<sup>30</sup>: snack

9.<sup>30</sup> - 12.<sup>00</sup>: morning session

12.<sup>00</sup> - 13.<sup>00</sup>: lunch

13.<sup>00</sup> - 14.<sup>00</sup>: stories

14.<sup>00</sup> - 14.<sup>30</sup>: snack

14.<sup>30</sup> - 15.<sup>00</sup>: creative workshops

15.<sup>00</sup> - 16.<sup>30</sup>: creative workshops, playing, leaving

**Price for several day program is 100 €** and includes workshops, child care during this time, lunch, morning and afternoon snacks, program and materials for workshops.

In the case of cancellation of participation before the certain date, we return the money. For subsequent cancellation, you pay 20 €. In case of cancellation after the start of program, or if the child does not attend the program without cancellation, you pay full price. For particular day, when a child is missing, the money will not be returned. Payment is possible at the meeting for the parents or on the first day, when you bring the child in the morning.

For dates and program with topics we shall discuss, please monitor our website, contact us by calling Botanic Garden telephone number + **3861 427 12 80 before 10.00 a.m. or via e-mail [botanicni.vrt@siol.net](mailto:botanicni.vrt@siol.net)**. For additional information, it is best to call us.





## WEDDING IN THE BOTANIC GARDEN

Perhaps you are planning a major life event - a wedding? If you want to say "yes" in a beautiful natural surroundings, whether in the embrace of the heralds of the spring, in a rainbow of the fragrant summer flowers or covered with the magical colors of autumn, come to Botanic Garden in Ljubljana. Here, in the shade of two hundred years old linden tree, you will find the atmosphere, properly arranged even for such a solemn event as is a promise to spend the rest of the life together!

Price: **100 € /hour** (includes pavilion, 4 chairs with an overlay, a table with an overlay for the ceremony and, if necessary, additional chairs for the wedding guests)

A place for a wedding should be pre-booked at least **10 days before**



**the event** by calling Botanic Garden telephone number + **3861 427 12 80 between 7.<sup>30</sup> a.m. and 15.<sup>00</sup> p.m.** or by e-mail to [blanka.ravnjak@botanicni-vrt.si](mailto:blanka.ravnjak@botanicni-vrt.si)



## PRICE LIST

### SCHOOL GROUPS AND OTHER ANNOUNCED GROUPS OF CHILDREN

(time of guided tour in school hours: 1 hour = 45 min)

#### GUIDED TOURS

DURATION:	PRICES FOR UP TO 15 PEOPLE:	PRICES FOR AT LEAST 15 PEOPLE:
1 hour	35 €/group	2,5 €/person
2 hours	40 €/group	3 €/person
3 hours	50 €/group	3,5 €/person

#### WORKSHOPS

Prices for workshops Trees in superlatives, Magnifiers, Puddle, Systematics, Fruits, Individual work:

DURATION:	PRICES FOR UP TO 15 PEOPLE:	PRICES FOR AT LEAST 15 PEOPLE:
1 hour (workshop without a guided tour)	35 €/group	2,5 €/person
2 hours (1-hour workshop + 1-hour guided tour)	40 €/group	3 €/person
3 hours (1-hour workshop + 2-hour guided tour)	50 €/group	3,5 €/person

Prices for workshops Flower, Tree in the four seasons, Heralds of Spring, Carnivorous plants, Autumn, Pumpkin, Fruits and dispersal of plants, Winter festivals, Plant propagation, Trees of our forest, Forest and woody plants, Create a plant that..., Stories:

DURATION:	PRICES FOR UP TO 15 PEOPLE:	PRICES FOR AT LEAST 15 PEOPLE:
1 hour (workshop without a guided tour)	40 €/ group	3 €/ person
2 hours (1-hour workshop + 1-hour guided tour)	50 €/ group	3,5 €/ person
3 hours (1-hour workshop + 2-hour guided tour)	60 €/ group	4 €/ person

### PLANTING IN A POT: 1 €/PERSON

### EXCURSION TO LJUBLJANA MOORS

Visitation of Mali Placand and peatlands of Jurč. Excursion is organised only for groups with at least 15 people.

DURATION:	PRICES FOR UP TO 15 PEOPLE:	PRICES FOR AT LEAST 15 PEOPLE:
3 hours (tour of the Ljubljana Moors)	/	4,5 €/person
4 hours (1-hour guided tour of the Botanic garden + 3-hour tour of the Ljubljana Moors)	/	5,5 €/person
5 hours (2-hour guided tour of the Botanic garden + 3-hour tour of the Ljubljana Moors)	/	6,5 €/person

### BIRTHDAY PARTY FOR CHILDREN

(prices are for three whole hours: 1 hour = 60 min)

2 hours of animation + 1 hour of celebration 100 €

### TOURIST GROUPS AND OTHER ANNOUNCED GROUPS OF ADULTS

(time of guided tour in whole hours: 1 hour = 60 min)

#### GUIDED TOURS

DURATION:	PRICES FOR UP TO 15 PEOPLE:		PRICES FOR AT LEAST 15 PEOPLE:	
	STUDENTS, PENSIONERS	ADULTS	STUDENTS, PENSIONERS	ADULTS
1 hour	35 €/group	40 €/group	2,5 €/person	3 €/person
2 hours	40 €/group	60 €/group	3 €/person	4 €/person

### EXCURSION TO LJUBLJANA MOORS

Visitation of Mali Placand and peatlands of Jurč. Excursion is organised only for groups with at least 15 people.

DURATION:	PRICES FOR UP TO 15 PEOPLE:	PRICES FOR AT LEAST 15 PEOPLE:	
		STUDENTS, PENSIONERS	ADULTS
3 hours (tour of the Ljubljana Moors)	/	4,5 €/person	5,5 €/person
4 hours (1-hour guided tour of the Botanic garden + 3-hour tour of the Ljubljana Moors)	/	5,5 €/person	6,5 €/person
5 hours (2-hour guided tour of the Botanic garden + 3-hour tour of the Ljubljana Moors)	/	6,5 €/person	7,5 €/person

### WEDDING IN BOTANIC GARDEN

(prices are for whole hours: 1 hour = 60 min)

Price: **100 € /hour** (includes pavilion, 4 chares with an overlay, a table with an overlay for the ceremony and, if necessary, additional chairs for the wedding guests)

### RENTAL

(prices are for whole hours: 1 hour = 60 min)

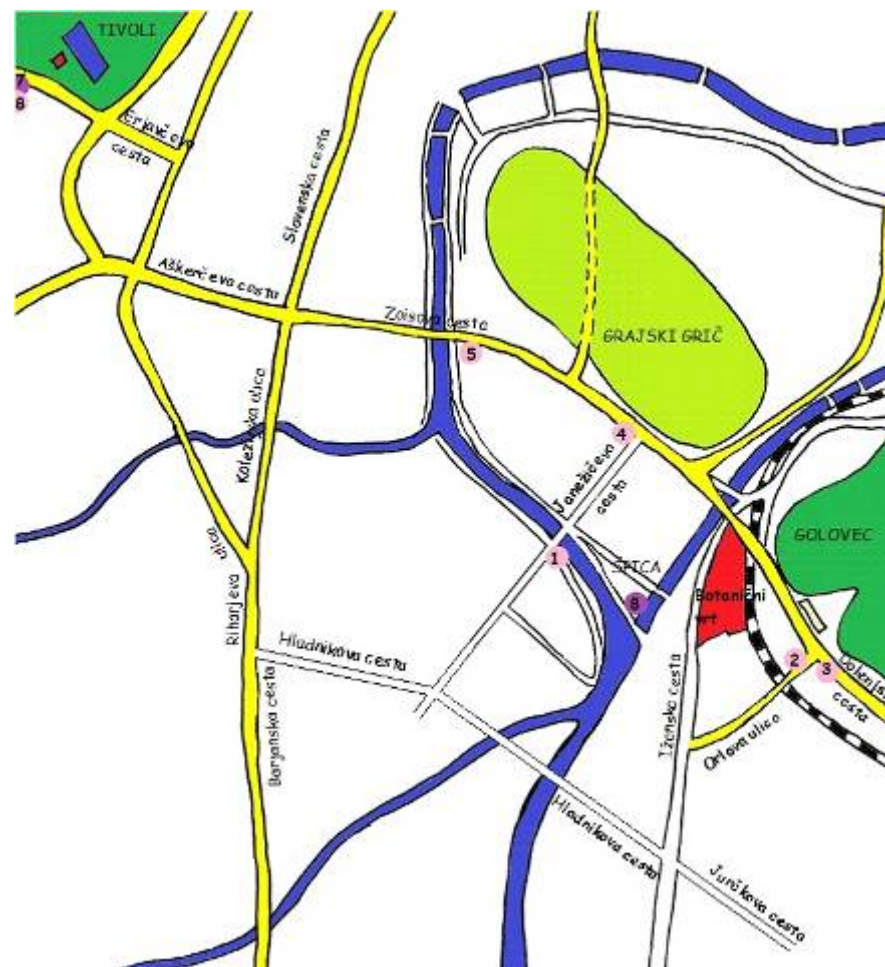
RENTING CLASSROOM FOR LECTURES, EVENTS...	50 €/hour
RENTING A PLACE IN DIFFERENT PARTS OF BOTANIC GARDEN	100 €/hour

### PHOTOGRAPHING, FILMING

(prices are for whole hours: 1 hour = 60 min)

PHOTOGRAPHING	50 € / hour
FILMING	100 € / hour

### HOW TO GET HERE?



- ...bus station: 1...bus no. 9, station Trnovo (terminal station)
- 2... bus no. 27, station Orlova
- 3... bus no. 3, 3B, 3G, station Strelišče
- 4... bus no. 3, 3B, 11, station Privoz
- 5... bus no. 2, 3, 3B, 3G, 11, 20, 20Z, station Gornji trg
- 6... bus no. 14, 14B, station Pod Rožnikom
- ...station of Ljubljanskega bicycle Bicikelj: 7... station Škrabčeva ulica 2

### 8... station Špica

You can visit the Botanic Garden on foot, by bike, boat, bus or train.

The most beautiful walkway and bicycle path to the Botanic Garden is along the right bank of the river Ljubljanica. It is also an excellent opportunity for sightseeing. Instead of a pleasant walk, you can also choose to view the city from the surface of river Ljubljanica. Water Trail begins at harbor Ribji trg (Fish Market) on Cankarjevo nabrežje (Cankar Quay; near Tromostovje - the Triple Bridge), passing under Čevljarški most (the Shoemakers' Bridge) and Šentjakovski most (the Saint Jacob's Bridge) all the way to harbour Špica, where the boat turns around and floats up to Zmajski most (the Dragon Bridge) where it turns again and returns to the harbor at Ribji trg. To view the Botanic Garden, exit at Špica. For any additional information contact the Tourist Information Centre Ljubljana-TIC or ask on the boat. No matter whether you arrive by bike, on foot or by boat, at Špica cross the footbridge and the only thing between you and the entrance to the Botanic Garden will be the road Ižanska cesta. At Špica, there is also a Bicikelj station.

If you come to Ljubljana by train or by bus, on the main bus station change on the city bus No. 9 (direction Trnovo) and ride to the terminal station in Trnovo. Then cross the bridge over the Ljubljanica river and then walk right down the street along the river bank. At Špica cross the footbridge over the Gruberjev kanal (Gruber canal) and you're in front of the Botanic Garden.

To visit the Botanic Garden, you can also ride with city buses No. 2 (station Gornji trg), No. 3, 3B, 3G (station Gornji trg, Privoz or Strelišče), No. 9 (station Trnovo - terminal station), No. 11 (station Gornji trg or Privoz), No. 20, 20Z (station Gornji trg) and no. 27 (station Orlova).

If you are coming by car from the direction of Štajerska (Styria), drive in the direction of Novo Mesto along the eastern city of Ljubljana ring-road, through tunnel Golovec. Just after the tunnel, the road splits - keep to the direction for Kočevje or the direction of Ljubljana-jug (Ljubljana-South). In first intersection with traffic lights, turn right (towards the city center) on the road Dolenjska cesta. You drive along it up to Karlovški most (Bridge Karlovški) before which you turn right and follow the sign for the Botanic Garden.

If you are coming by car from the Primorska or Gorenjska direction, select the Ljubljana ring-road exit Ljubljana-zahod (Ljubljana-West) and you will find yourself on road Tržaška cesta, where you direct yourself towards the city center. You drive straight along road Tržaška cesta, continue to the road Aškerčeva cesta, then Zoisova cesta and Karlovška cesta up to Karlovški most (Bridge Karlovški) after which you turn left and follow the sign for the Botanic Garden.

On the Ljubljana ring-road you can also select exit Ljubljana-Center. You drive along road Barjanska cesta, then you turn right on road Hladnikova cesta, then turn left (towards the castle) on road Ižanska cesta. You continue driving on road Ižanska cesta until you reach the entrance to the Botanic Garden, which is on the right side of the road.

Another option is to drive straight road Barjanska cesta, continue along roads Riharjeva cesta and Kolezijska cesta, then turn right on road Zoisova cesta. Afterwards, drive straight ahead Zoisova cesta and continue on Karlovška cesta until you reach Karlovški most (Bridge Karlovški) behind which you turn left and follow the signs for the Botanic Garden.

Near the Botanic Garden there is no parking space. You can park on the lawn by the fence, but public parkings are along river Ljubljanica, near Špica, from where you can come to the garden on foot, across



the footbridge. Buses may park at the intersection of roads  
Hladnikova cesta and Ižanska cesta, opposite the inn Livada.