A vibrant photograph of a botanical garden. The foreground is filled with a dense canopy of green trees and foliage. In the middle ground, a well-maintained lawn is dotted with young trees. In the background, a large, light-colored stone building with arched windows and doorways is visible under a bright blue sky with scattered white clouds. The overall scene is bright and sunny.

**Naše parče raja-botanička bašta**

**Our piece of heaven- botanical garden**





Naziv vrste: **Američka platana**

Naziv na latinskom: *Platanus occidentalis*

Opis:

Kada pomislite na američku platanu, njena veličina će vam vjerovatno prva pasti na pamet. Ovo listopadno drvo može doseći visinu od 23-30m i ima lišće nalik na stablo javora. Deblo američke platane veće je od bilo kojeg drugog izvornog stabla, a zrela stabla bilježe prečnik do 4,5 m.

Cvjeta u proljeće i ljeto- žutim i bijelim cvjetovima.

Species name: American sycamore

Botanical name: *Platanus occidentalis*

Description:

When you think of an American sycamore, its massive proportions may be the first thing to come to your mind. This deciduous tree can reach up to 23-30 m high and its leaves resemble those of a maple tree. The trunk of the American sycamore is larger than any other native tree, with mature trees having recorded diameters up to 4.5 m. It blooms in spring and summer- with yellow and green colored flowers.





Naziv vrste: Američka lipa

Naziv na latinskom: *Tilia americana*

Opis vrste:

Američka lipa je listopadno drvo široke zaobljene krošnje, vrlo slično svom evropskom rođaku *Tilia cordata*. Suptilna razlika između vrsta može se naći na kori - ako je u dolinama kore narandžasta nijansa, onda je u pitanju *Tilia cordata*.

Ovo drvo, koje simboliše jednostavnost, čistotu i dobrotu, cvjeta na ljeto cvjetovima obojenim u bijelu, žutu, zelenu i rozu boju.

Species name: *American basswood*

Botanical name: *Tilia americana*

Description:

American basswood is a deciduous tree with a wide, domed crown, very similar to its European cousin *Tilia cordata*. A subtle difference between the two species can be found on the bark itself - if an orange hue is present in the fissures of the bark, then it is *Tilia cordata*.

This tree, which symbolizes simplicity, innocence and kindness, blooms in summer with white, yellow, green and pink colored flowers.





Naziv vrste: Alepski bor

Naziv na latinskom: *Pinus halepensis*

Opis:

Drvo je visoko do 20 metara. Deblo i grane su često zakrivljene. Krošnja je kuglastopiramidalna, a u starosti se razvija nepravilno. Kora je sivkasta. U mladosti je glatka, a kasnije crvenosmeđa, izbrazdana. Igljice (četine) su plavičasto zelene do svijetlo zelene boje. Cvjeta u proljeće. . Korijenov sistem je veoma razgranat i snažan.

Species name: *Aleppo pine*

Botanical name: *Pinus halepensis*

Description:

The tree is up to 20 meters high. The trunk and branches are often curved. The crown varies from rounded, flat-topped to irregular horizontal, upturned branches. The bark is orange-red, thick, and deeply fissured at the base of the trunk, and thin and flaky in the upper crown. The needles are bluish green to light green. It blooms in spring with single sex cones. The root is strong and spreading.





Naziv vrste: Kamfor

Latinski naziv: *Cinnamomum camphora*

Opis:

Stablo kamfora raste do 15-18 m visine i ima oblik kišobrana.

Listovi su mu sjajni svijetlozeleni i zašiljenog ovalnog oblika. Kad se drobe, proizvode jak miris kamfora. Stablo može biti zimzeleno u blagoj klimi.

Boja kore varira i može biti od tamno sive do crveno-smeđe i vrlo je grube teksture.

Drvo u proljeće stvara grozdove malih, prljavobijelih cvjetova koji se razvijaju u okrugli, crni, koštinasti plod- prečnika pola centimetra koji se zove koštunica.



Species name: Camphor tree

Botanical name: *Cinnamomum camphora*

Description:

The camphor tree grows up to about 15-18m tall and holds an umbrella shape.

The leaves are glossy light green and they have pointed oval-like shape. They produce a strong smell of camphor when crushed. The tree may be evergreen in mild climates.

The color of the bark varies from dark grey to red brown and it has a very rough texture.

The tree produces clusters of small, off-white flowers in spring, which later develop into a 1/2 cm round, black fruit called a drupe.





Naziv vrste: Visoka žumara palma

Naziv na latinskom: *Trachycarpus fortunei*

Opis:

Kineska visoka žumara (*Trachycarpus fortunei*) izvorno je došla iz tropskih i umjerenih planinskih regija u Kini. U divljini obično naraste 6-12 m visine, dok u kultivisanim sredinama naraste samo 2,5-3 m. Listovi joj podsjećaju na vjetrenjaču, pa je njen bukvalni prevod sa engleskog „Kineska palma- vjetrenjača”. Cvjeta u ljeto žutim cvjetovima, koji kasnije obrazuju plave i crne plodove.

Species name: Chinese windmill palm

Botanical name: *Trachycarpus fortunei*

Description:

Chinese windmill palm (*Trachycarpus fortunei*) is believed to originate from the tropical and temperate mountain regions in China. In the wild, it usually grows 6-12 m tall. When cultivated, it only grows to 2.5-3 m. Its leaves resemble the shape of a windmill so it was literally named after it. *Trachycarpus fortunei* blooms in summer with yellow flowers, which later turn into blue or black fruits.





Naziv vrste: Pensilvanijski jasen

Naziv na latinskom: *Fraxinus pennsylvanica*

Opis:

Ako tražite stablo koje će vam pružiti hlad u svojoj sjenci, razmislite o sadnji pensilvanijskog jasena. Ovo drvo je sposobno potpuno blokirati sunčevu svjetlost svojim gustim krošnjama od složenih listova koji u jesen oslikavaju pravu žutu idilu. Agresivan rast od preko 61cm godišnje čini ovo drvo jednim od najboljih i najpraktičnijih izbora za dvorište naše škole.

Species name: Green ash

Botanical name: *Fraxinus pennsylvanica*

Description:

If you are looking for an excellent shade tree, consider planting a green ash. This tree is capable of completely blocking sunlight with its dense canopy of compound leaves, which make a brilliant yellow display in the fall. Aggressive growth of over 61 cm per year makes this tree one of the best and most practical choices for our school yard.





Naziv vrste: Južna magnolija

Naziv na latinskom: *Magnolia grandiflora*

Opis:

Reprezent juga Sjedinjenih država. Južna magnolija je poznata po svojim tamnozelenim ovalnim listovima i prekrasnim bijelim, rozim i krem cvjetovima, za koje se smatra da simbolizuju dostojanstvo i plemenitost.



Species name: Southern magnolia

Botanical name: *Magnolia grandiflora*

Description:

A showpiece of the southern United States is the southern magnolia. This tree is known by its dark green oval leaves and its beautiful flowers, which are white, pink and cream colored. The southern magnolia blooms are thought to symbolize dignity and nobility.





Naziv vrste: Maslina

Naziv na latinskom: *Olea europaea*

Opis:

Maslina (*Olea europaea*) je zimzeleno drvo ili grm s velikim poljoprivrednim značajem, posebno u Sredozemlju. Njeni plodovi su jestivi i naširoko se koriste za proizvodnju ulja. Maslina je stekla dosta simboličkih značenja tokom svoje duge istorije uzgoja. Vjerovatno bi najpopularniji simbol bila maslina koja predstavlja mir i slavu.

Species name: Olive

Botanical name: *Olea europaea*

Description:

Olive (*Olea europaea*) is an evergreen tree or a shrub with great agricultural importance, especially in the Mediterranean area. Its fruits are edible and widely used for making oil. Olive has acquired quite a few symbolic meanings during its long history of cultivation. The most popular symbol would probably be the olive branch, which represents peace and glory.



Naziv vrste: **Orijentalna tuja**

Naziv na latinskom: *Platycladus orientalis*

Opis:

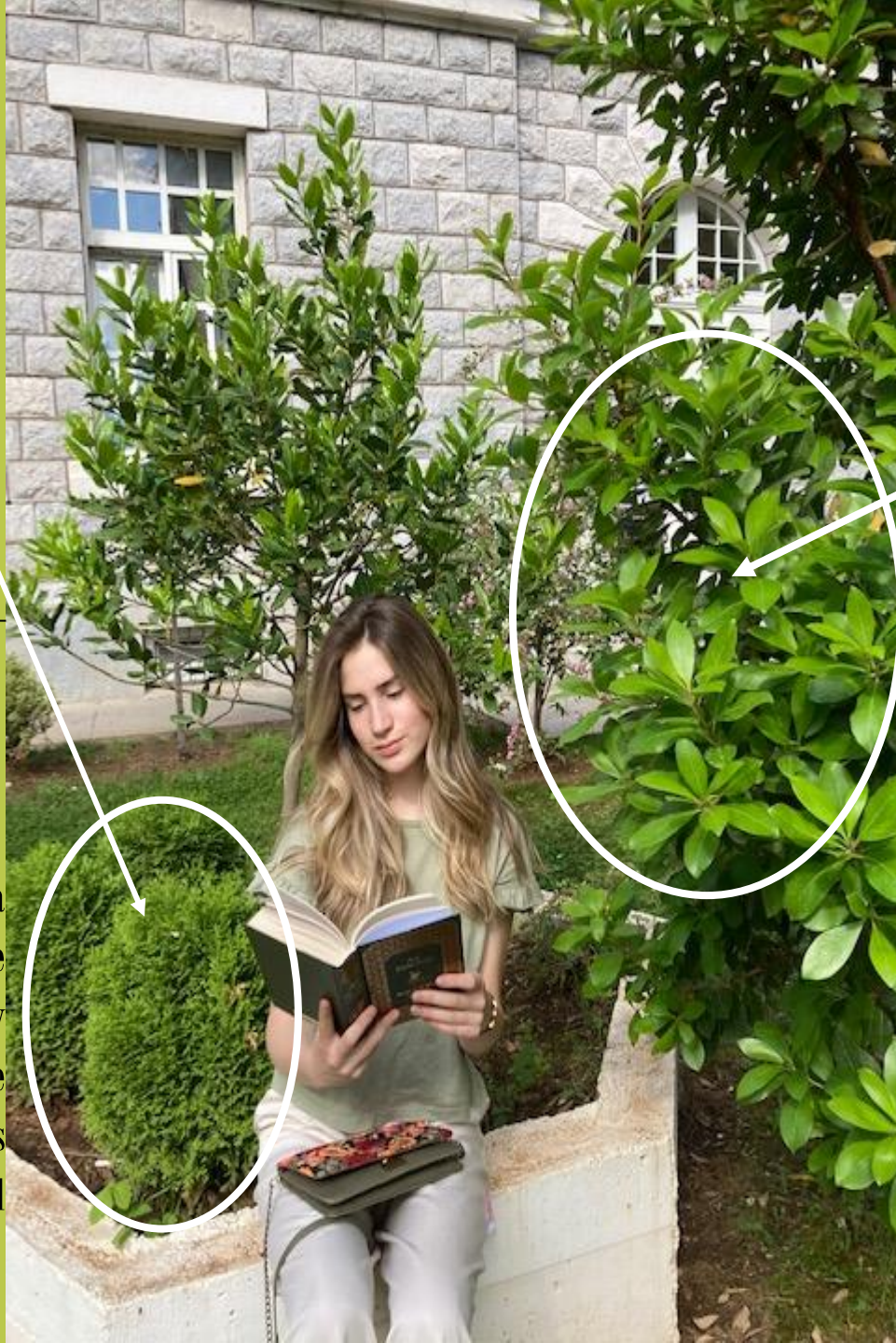
Orijentalna tuja (*Platycladus orientalis*) je malo zimzeleno stablo porijeklom iz istočne Azije. Za razliku od mnogih drugih biljaka, koje dijele rod s mnogim drugim vrstama, orijentalna je biljka jedini član roda *Platycladus*. Najčešće se uzgaja kao ukrasna biljka i izvor drva.

Species name: **Oriental arborvitae**

Botanical name: *Platycladus orientalis*

Description:

Oriental arborvitae (*Platycladus orientalis*) is a small evergreen tree native to East Asia. Unlike many other plants, which share a "genus" family with many other species, the oriental arborvitae is the only member of the *Platycladus* genus. It is most often cultivated as an ornamental plant and a source of wood.



Naziv vrste: **Maginja ili planika**

Naziv na Latinskom: *Arbutus unedo*

Opis:

Zimzeleni je grm ili malo stablo iz porodice Ericaceae. Potiče iz mediteranskog pojasa. Kako je plod nalik jagodi, biljka se naziva i jagodnjak ili drvo jagoda. Plodovi sazrijevaju u novembru i decembru, nikada istovremeno. Sasvim zreli plodovi su žarko crvene boje, poluzreli narančaste, a nedozreli zelene i žute boje.

Species name: **Strawberry tree**

Botanical name: *Arbutus unedo*

Description:

It is an evergreen shrub or a small tree of the Ericaceae family. It originates from the Mediterranean area. As the fruit is similar to a strawberry, the plant is also called a strawberry or a strawberry tree. The fruits ripe in November and December, but it never happens at the same time. Ripe fruits are bright red, semi-ripe are orange, and unripe ones are green and yellow color.





Naziv vrste: Vajgelija

Naziv na latinskom: *Weigela florida*

Opis:

Nazvana po njemačkom naučniku Christianu Ehrenfriedu Weigelu, vajgelija je poznata po prekrasnim cvjetovima u ružičastim nijansama. Staromodna vajgelija cvjeta u rano proljeće i može proizvesti povremene ponovljene cvjetove od sredine do kasnog ljeta. Ova biljka posebno privlači kolibrije.

Species name: Old fashioned weigela

Botanical name: *Weigela florida*

Description:

Named after a German scientist, Christian Ehrenfried Weigel, the old fashioned weigela is known for its beautiful tubular flowers in various shades of pink. It blooms profusely in spring and sporadically through the summer time. Besides people, hummingbirds find it especially attractive.





Naziv vrste: Kalistemon- u narodu poznatija kao „čerkovac”

Naziv na latinskom: *Callistemon citrinus*

Opis:

Grimizni kalistemon je grm koji obično raste u močvarama i u blizini rijeka. Povod za narodno ime (čerkovac) očigledan je zbog izgleda cvjetova. To cvijeće daje slatki nektar koji privlači brojne vrste ptica. Specifični epitet, "citrinus", dobio je jer lišće grimiznog kalistemona odaje miris sličan citrusima kad se zdrobi.

Species name: Crimson bottlebrush

Botanical name: *Callistemon citrinus*

Description:

Crimson bottlebrush is an evergreen shrub commonly found in swamps and rivers.

The source of its name is easily seen in its flowers' appearance. The flowers produce sweet nectar which attracts numerous birds' species. The specific epithet- *citrinus*, was given because the crimson bottlebrush's leaves give off a lemony scent when bruised.





**Naziv vrste:** Koščela

**Naziv na latinskom:** *Celtis australis*

**Opis:**

Evropska koščela (*Celtis australis*) visoko je i čvrsto listopadno drvo - raste od 12-21m visine. Jedinstveno je jer cvjeta i muškim i ženskim cvjetovima. Bobice se pojavljuju ljeti, sazrijevaju u jesen, kada su tamnoljubičaste boje. Plodovi prvlače različite ptice, što pomaže širenju sjemena. Koščela se smatra odličnim izborom za stvaranje sjenke ili kao ukrasno drvo za naše bulevare, parkove i školska dvorišta.

**Species name:** European hackberry

**Botanical name:** *Celtis australis*

**Description:**

European hackberry (*Celtis australis*) is a tall and sturdy deciduous tree - growing from 12-21 m in height. It's unique because it blooms with both male and female flowers. Berries appear in summer, ripening to a dark purple in fall. A variety of birds are attracted to the fruit, helping to disperse the seeds. The European hackberry is considered a great choice to create shade or as a street, park or school yard tree.







**Naziv vrste:** Atlantski kedar

**Naziv na latinskom:** *Cedrus atlantica*

**Opis:**

Atlantski kedar pripada porodici borova Pinaceae. Naziv cedrus potiče od grčke riječi keo, što znači gorjeti. Areal uz još par vrsta mu je ograničen na područje južnog i istočnog Mediterana i na zapadne Himalaje.

**Species name:** Atlantic cedar

**Botanical name:** *Cedrus atlantica*

**Description:**

Atlantic cedar belongs to the Pinaceae family. The name cedrus comes from the Greek word keo, which means to burn. Along with a few other species, Atlantic cedar area is limited to the southern and eastern Mediterranean and the western Himalayas.





Naziv vrste: Istočnjačka tuja

Naziv na latinskom: *Platycladus orientalis*

*Opis:*

Ova vrsta potiče iz istočnih i sjevernih dijelova Azije. Uglavnom raste na visinama od 15-20m. Grane su joj uglavnom kratke, široko postavljene i oštro okrenute ka gore. *Platycladus* označava široke ili spljoštene izdanke, dok se riječ *orientalis* odnosi na njeno prirodno stanište — Kinu.

Species name: Eastern thuja

Botanical name: *Platycladus orientalis*

Description:

This species originates from the eastern and northern parts of Asia. It mainly grows at heights of 15-20m. Its branches are mostly short, widely set and sharply turned upwards. *Platycladus* signify broad or flattened shoots, while the word *orientalis* refers to its natural habitat - China.





Naziv vrste: Obična lijeska

Naziv na latinskom: *Corylus avellana*

Opis:

Obična lijeska raste na područjima Evrope i Azije. Uglavnom je grmolika biljka koja doseže 3-8m visine, ali može narasti i do 15m. Listopadna je biljka, a listovi su joj zaobljeni i prekriveni malim dlačicama sa svake strane. Plod je izuzetno ukusan lješnik.

Species name: Common hazel

Botanical name: *Corylus avellana*

Description:

Common hazel grows in Europe and Asia. It is mainly a shrubby plant that reaches 3-8m in height, but can grow up to 15m. It is a deciduous plant, and its leaves are rounded and covered with small hairs on each side. The fruit is a quite delicious hazelnut.







Naziv vrste: Lovor

Naziv na latinskom: *Laurus nobilis*

Opis:

Lovor je višegodišnja biljka iz porodice lovora (*Lauraceae*), najviše rasprostranjena na području Mediterana. Posebno su je cijenili Grci i Rimljani - nagrada na godišnjem atletskom takmičenju u čast boga Apolona, bila je kruna od lovorovog vijenca. Latinsko ime potiče od riječi laurus što znači – pobjeda, slavlje i riječi nobilis – plemenit, slavan. Može narasti do 15m.

Species name: Laurel

Botanical name: *Laurus nobilis*

Description:

Laurel is a perennial plant from the laurel family (*Lauraceae*), mostly widespread in the Mediterranean. It was especially appreciated by the Greeks and Romans - the award at the annual athletic competition in honor of the god Apollo, was a crown of laurel wreath. The Latin name comes from the word laurus which means - victory, celebration and the word nobilis - noble, glorious. It can grow up to 15m.





Naziv vrste: Tisa

Naziv na latinskom: *Taxus cuspidata*

Opis:

Tisa relativno sporo raste i dugo živi. Može dostići visinu do 20m. Najstarije vrste iz ove familije potiču još iz perioda rane krede.

Species name: Japanese yew

Botanical name: *Taxus cuspidate*

Description:

The Japanese yew grows relatively slowly and lives a long time. It can reach a height of up to 20m. The oldest species from this family date back to the Early Cretaceous period.





**Naziv vrste: Tuja**

**Naziv na latinskom: *Thuja occidentalis***

**Opis:**

**Tuja se često koristi u hortikulturi i uzgaja se u dvorištima i parkovima. Veoma je dekorativna biljka, pa i dvorište naše škole uljepšava na više mjesta.**

**Species name: Thuja**

**Botanical name: *Thuja occidentalis***

**Description:**

**Thuja is often used in horticulture and grown in backyards and parks. It is a very decorative plant, so it beautifies the yard of our school in several places.**





**Naziv:** Japanska kurika

**Naziv na latinskom:** *Euonymus japonicus*

**Opis:**

Japanska kurika je vrsta cvjetnih biljaka, porijeklom iz Japana, Koreje i Kine. Raste do visine od 2-8m i ima ovalne listove sa fino nazubljenim rubovima. U jesen, narandžasti plod visi ispod ružičastih pokrivača sjemena.

**Species name:** Evergreen euonymus

**Botanical name:** *Euonymus japonicus*

**Description:**

Evergreen euonymus is a species of flowering plant, native to Japan, Korea and China. It grows to a height of 2-8m and has oval leaves with finely serrated edges. In autumn, the orange fruit hangs under pink seed covers.





**Naziv:** Mala žumara

**Naziv na latinskom:** *Chamaerops humilis*

**Opis:**

Mala žumara je jedna od dvije vrste palmi koje samoniklo rastu u Evropi. To je vrsta palme žbunolikog rasta, uglavnom visine između 2 i 3 metra. Dvodoma je biljka.

**Name:** European fan palm

**Botanic name:** *Chamaerops humilis*

**Description:**

The European fan palm is one of the two species of palm trees that grow wild in Europe. It is a type of palm shaped as medium sized shrub, mostly between 2 and 3 meters high. It is a dioecious plant.





**Naziv:** Makedonski hrast

**Naziv na latinskom:** *Quercus trojana*

**Opis:**

**Makedonski hrast** je istočnomediteranska vrsta hrasta. Nekada može izrasti i do 20 m visoko i dostići prsni promjer od preko 100 cm. Krošnja u mladosti je piramidalna, kasnije široka, jajasta i polukuglasta.

**Name:** Macedonian oak

**Botanic name:** *Quercus trojana*

**Description:**

Macedonian oak is an eastern Mediterranean type of oak. It can sometimes grow up to 20 m high and reach a chest diameter of over 100 cm. The first few years crown is pyramidal, later broad, ovate and hemispherical.





**Naziv:** Paulovnja

**Naziv na latinskom:** *Paulownia tomentosa*

**Opis:** Paulovnja je drvenasta biljka koja je dobila ime po Ani Pavlovni, ćerki ruskog cara Pavla I. Radi se o drvenastoj biljci iz porodice Scrophulariaceae. Sve biljke iz porodice vrlo su atraktivne zbog lepog cveća i velikog lista, a karakteriše ih brzi rast. Paulovnja je vrlo dekorativno i egzotično drvo, poreklom iz Jugoistočne Kine. Često se pronalazi u parkovima i trgovačkim centrima. Paulovnja je specifična po izuzetno velikom rastu. Značajna je njena uloga u ekologiji, budući da listovi apsorbuju 10 puta više ugljen - dioksida nego druge vrste drveća, a koren upija teške metale iz zemljišta i tako obnavlja zemljište nakon drugih kultura.

**Name:** Paulownia

**Botanic name:** *Paulownia tomentosa*

**Description:** Paulownia is a woody plant named after Anna Pavlovna, the daughter of the Russian emperor Pavle I. It is a woody plant from the family Scrophulariaceae. All plants from the family are very attractive because of their beautiful flowers and large leaves, and they are characterized by fast growth. Paulownia is a very decorative and exotic tree, originating from Southeast China. It is often found in parks and shopping malls. Paulownia is specific for its extremely large growth. Its role in ecology is significant, since the leaves absorb 10 times more carbon dioxide than other types of trees, and the root absorbs heavy metals from the soil and thus restores the soil after other crops.





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