

orman kaşifleri





A Journey Filled with Discovery, Science, and Excitement!

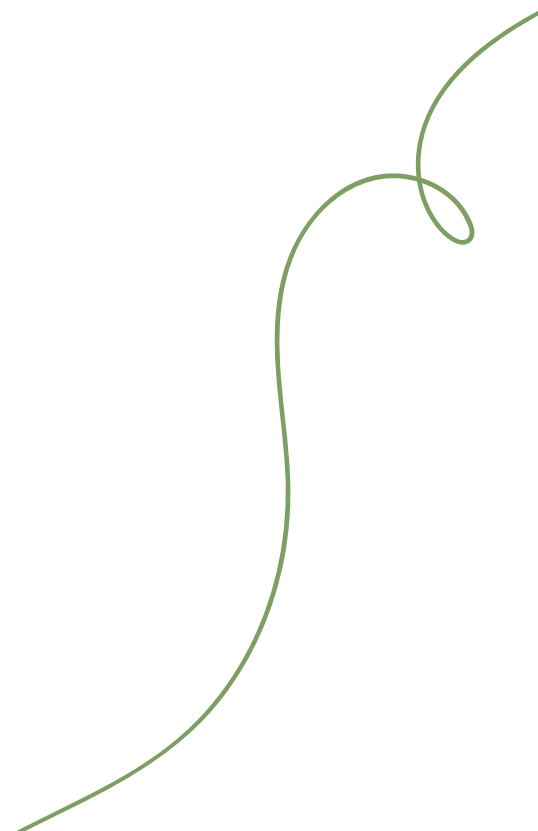
Designed to nurture children's cognitive, emotional, and intellectual abilities, "Forest Explorers" offers an invitation to a world of discovery. With Forest Explorers, children learn about the worlds of water, soil, air, plants, trees, and other living beings within our ecosystem, guided by expert educators. We explore nature, in nature itself.





Let's Embark on an Adventure-Filled Journey of Discovery

One of Usturlab's vibrant projects, Forest Explorers, is a unique initiative designed to inspire a love for nature and science in children, fostering individuals who respect the colors, beings, and life around them.



Let's Learn About Life by Seeing, Hearing, Touching, and Experiencing!

With Forest Explorers, children embark on an adventure filled journey with their instructors, discovering and learning about trees, fruits, flowers, insects, and all living beings that make up the ecosystem. They learn about life through seeing, hearing, touching, experiencing, and truly living it.

Through scientific discovery walks focused on different elements of the ecosystem, young explorers take their first steps into scientific inquiry in nature. Specially designed discovery routes allow them to explore nature in depth.





Everything is ready for discovery. Let's head into nature!

Our specially designed Nature Diary helps us document discoveries and analyze observations by putting them on paper, while a magnifying glass allows close examination of living things. An Explorer's Bag holds all our findings, along with other materials needed based on the theme of our tour. These essentials accompany us on every exploration journey.



TRAININGS AND CONTENT



Get to Know Our Discovery Tours Up Close

Our Discovery Topics

- 🌿 **General Discovery**
- 🌿 **Forests as an Ecosystem**
- 🌿 **The World Beneath the Soil**
- 🌿 **The Life Cycle of Plants**
- 🌿 **The Anatomy of a Tree**
- 🌿 **Tiny Workers of the Forest**
 - *Gymnosperms*
 - *Flowers*
 - *Fungi*
 - *Birds*
- 🌿 **Flowers**
- 🌿 **Herbarium**
- 🌿 **Forest Bathing**
- 🌿 **Adult Forest Explorers**



In the *General Discovery Tour*, we'll discuss the forest and all its inhabitants, get to know the forest, and learn about the countless benefits it offers us, as well as the importance of recycling. By the end of the tour, we'll illustrate our observations in our nature journals. Using materials collected from nature, we'll engage in various artistic activities and be introduced to the fascinating world of biomimicry.



"Forests as an Ecosystem" to Learn About the Relationships Between Living and Non-Living Beings in the Forest

What is a forest like?

Who calls the forest home?

Do even the smallest creatures in the forest have a role?

In this workshop, we will explore forests, which host many species, together with children. We'll observe the forest ecosystem as a whole, discover countless living beings within it, and witness the remarkable relationships in this vast space.



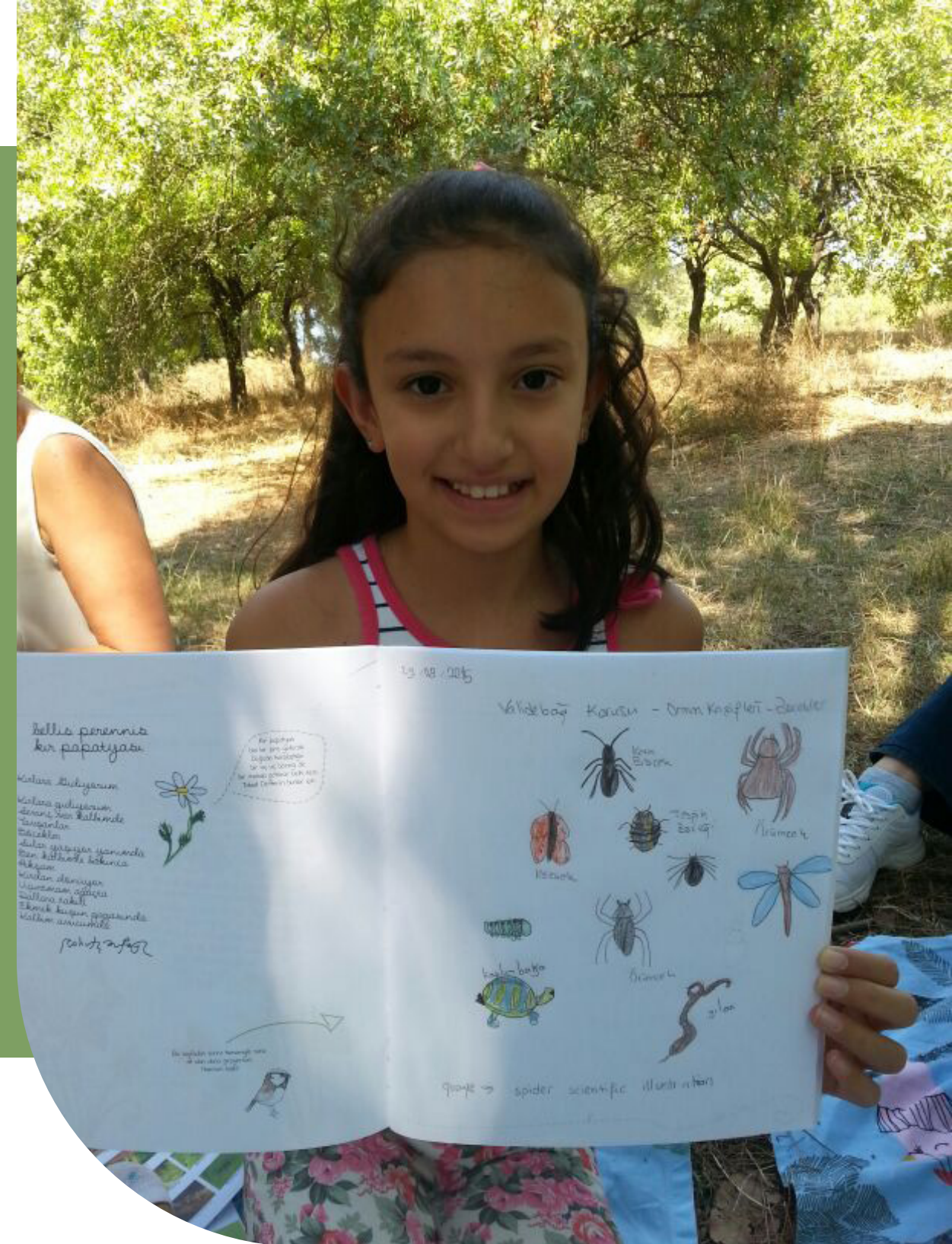
"The World Beneath the Soil" to Live in Harmony with Nature from Ground to Sky

What is the structure of soil?

What is soil made of?

What organisms live within and on top of the soil?

In *The World Beneath the Soil* workshop, we'll explore questions such as how soil is formed, what it consists of, whether it's living or non-living, and if it's the same everywhere. Using field microscopes, we'll examine animals that live on and within the soil. At the end of the tour, we'll fill out our nature journals and, with guidance from our instructors, create terrariums using materials we find in nature.



“Life Cycle of Plants” to Experience the Journey from Seed to Sapling to Tree

How does plant diversity form?

Could a rose and a rosehip be related?

What does it mean for a plant to be perennial or annual?

In this workshop, we'll explore the life stories and families of endemic plants. We'll discuss the long journey from seed to tree and how plants reproduce. We'll get to know special plants in our nearby area, observing plant habitats to deepen our understanding. All our observations and newfound knowledge will be recorded in our nature journals, leaving a note for the future.



"Anatomy of Trees" to Learn About Their Structures, Parts and Functions

*Who is considered a Forest Explorer?
How can we recognize different trees?
What would trees do without roots?*

In this workshop, we'll explore tree species in the forest, the parts and functions of a tree, and the anatomy of trees from canopy to roots. We'll discover their characteristics and the many creatures that live on them, discussing the importance of trees for our ecosystem and micro-environment. Through various games and teamwork activities, we'll connect with trees and get to know the guardians of our land through all our senses. At the end of our exploration, we'll use the natural materials collected in our Explorer's Bag to create art and design our own trees.



“Little Workers of the Forest” to Learn About the Common Traits of Insects and Get to Know Them

*What is the body structure of insects like?
What are antennae for?
In what environments do insects live?*

In this workshop, we'll go on a journey of discovery for explorers curious about what a caterpillar will become when it grows up. We'll explore the question, “What would happen if our flowers' tiny visitors—bugs, bees, and butterflies—didn't exist?” Using magnifying glasses and microscopes, we'll dive into the world of insects and uncover fascinating facts about them.



"Gymnosperms" to Get to Know Coniferous Trees and Collect Pine Cones

Who are the relatives of pine trees?

Do all pine species keep their leaves year-round?

What are the characteristics of leaves, trunks, and cones of gymnosperms?

In this workshop, we'll identify the gymnosperms we see in the forest and go on a pine cone hunt.

After sketching the collected cones in our nature journals, we'll paint them and create stylish designs for our rooms.



“Flowers” to Admire Their Delightful Scents and Vibrant Colors

What is the structure of flowers?
What roles do they play?
Why do they smell so pleasant?

On this discovery route, we'll explore various flower species and learn about their functions. At the end of the tour, we'll draw the flowers we've encountered in our nature journals and discuss their characteristics together on our colorful Forest Explorers blanket.



"Fungi" to Examine Microscopic and Macroscopic Fungi Up Close

Are fungi plants?

Are there fungi we cannot see with the naked eye?

How can we tell if a mushroom is poisonous or not?

In this workshop, we'll take a close look at fungi, exploring lichens, which are symbiotic partnerships between fungi and algae. At the end of the tour, we'll draw fungi in our nature journals and create a mushroom house design.



“Birds” to Listen to Their Calls, Observe Their Wing Beats, and Play a Riddling Bird Game

How do birds migrate?

Which bird species do not migrate in winter?

What adaptations do they make in their bodies to fly?

In this workshop, we'll close our eyes and focus on the sounds of birds, trying to recognize and mimic them. We'll learn fascinating facts about migratory birds, the woodpecker who never gets a headache, nocturnal hunters like bats and owls, and many other birds. We'll explore the lives of birds and record our findings in our nature journals. Additionally, we'll design our own bird feeders to create a welcoming space for our feathered friends to enjoy their meals.



"Herbarium" to Create Our Own Plant Museum

What is a herbarium?

What techniques are used in herbarium creation?

How can we preserve plants for a long time?

On this discovery route, we'll collect plants suitable for a herbarium using proper techniques and take detailed notes. With the plants we gather, we'll create our own plant museum, learning the art and science of preserving them for the long term.



"Forest Bathing" to Relax and Reconnect with Nature Away from the City's Hustle

*Why do people want to go out into nature?
What is the most essential substance for the life of living beings?
Does touching a tree help calm people?*

On this discovery route, we'll explore and observe the forest, studying the animals and plants we encounter. We'll spend time playing interactive games and experience the opportunities nature provides us through hands-on learning. This journey will help us rediscover nature from a scientific perspective.



There's No Age Limit to Discovering Nature "Adult Forest Explorers"

We conduct our discovery tours not only with children but also with adults. Our adult discovery tours are designed to observe nature from a different perspective, study it scientifically, and understand the concept of biomimicry. Together, we escape the city's hustle and bustle, relax in nature, and complete our exploration route under the guidance of expert instructors. Participants learn how to fill out the Nature Journal and reconnect with the natural world.



CAMP PROGRAMS



Nature and Science Education in Camp

In our science and discovery-filled camps, equipped with magnifying glasses in hand, backpacks on our shoulders, and digging kits and binoculars inside, we embark on exploration tours. We delve into forests as ecosystems, gymnosperms and angiosperms, the anatomy of trees, insects, birds, fungi, lichens, the world beneath the soil, and, depending on the camp location, we even explore plankton and algae.



EDUCATION FOR EDUCATORS



ZusturLab
“hayal gücü üretir”
Bilimin felsefe ile başlayıp sanatla buluştu

Bilim Doğada
orman kâşifleri

Education for Educators

The forest pedagogy approach is increasingly gaining recognition worldwide, becoming an integral part of educational curricula. In forest-based education, more visual and experiential methods are emphasized, allowing students to learn through direct experience.

This program is designed not only for educators but for anyone interested in acquiring the knowledge, skills, and perspectives essential for nature education. The primary goal throughout the training is to equip participants with effective, efficient, and interactive methods for conveying their knowledge to students. Participants aim to deepen their understanding of the core concepts and principles of nature education and teaching, enhancing their skills. The training consists of two phases: theoretical and practical.



CORPORATE AND INDIVIDUAL TOURS



We can conduct our Forest Explorers tours with students or groups of at least 10 and up to 20 participants in the nearest forest. Prior to the training, expert instructors visit the designated area to establish a tailored exploration route. On the day of the program, participants embark on a forest discovery journey with training specifically designed for the selected age group.



CEKMEKOY NATURE SCHOOL



The School of Nature aims to nurture children, young people, and adults into individuals who are sensitive to their environment by developing their skills in recognizing living things—sometimes a worm, sometimes a butterfly, sometimes a seed.

Our educational programs at the School of Nature consist of workshops covering key biological topics such as the animal kingdom, ecosystems, biomimicry, biodiversity, and soil. These programs foster self-confidence, independence, resilience, creative thinking, and problem-solving skills. In this school, students experience risk management in the background while learning resilience through nature-based education.



Çekmeköy Nature School is a place of learning that centers the student and the experience, allowing learning to occur naturally and in the outdoors.

Our school, located within Çekmeköy Çamlık National Garden—a forest of pine and oak trees—offers opportunities to strengthen the relationship between nature and people.

Through informative presentations and video screenings in classroom settings, as well as interactive scientific outdoor setups spread across the National Garden, our school provides the chance to closely observe the animal kingdom.



Under the guidance of expert educators, our 12 different seasonal workshops and special day programs offer numerous benefits. Children:

- Grasp the interaction of living beings in nature through their senses.
- Learn about various species.
- Understand what biomimicry is and learn biomimicry design principles.
- Differentiate between the living and non-living components of ecosystems.
- Understand the functions and properties of soil.
- Recognize what biodiversity is and observe that the characteristics of living beings change based on their needs.
- Develop a sense of respect and affection for nature and plants.
- Learn that fungi belong to a realm distinct from plants and animals.
- They strengthen their observation skills, develop analytical thinking, and improve problem-solving abilities. The various stimuli they encounter in natural environments spark curiosity, helping them form an inquisitive mindset.



Moreover, through interactions in nature, children gain an understanding of cause-and-effect relationships and become aware of complex systems. Nature provides relief from mental fatigue, reduces distraction, and helps individuals focus. This process enhances creativity, nurtures imagination, and fosters innovative thinking skills. They also gain an understanding of concepts such as sustainability, recycling, and zero waste. In conclusion, nature enriches children's cognitive skills while fostering a profound understanding of the environment.

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SUPPORTING MATERIALS FOR EDUCATION

bellis perennis
kir papatyası

Kirlara gidiyorum

Kirlara gidiyorum
derin bir kelimde
tarzanlar
Böcekler

Sular yapıyor yanında
Ben kelimde bitince

Akşam
Kırdan deniyor
Uçurtmam ağaçta

Dallara takılı
Ekmeğ kusun gagasında
Kallam arıcısında

Rohit 2019



Kir papatyası
bizi bir şeye götürdü
Doğada karşılaştığın
bir uç böceği de
bir masala götürür beki seni
Tabii Değerli bunlar için

Bu sayfadan sonra tamamıyla sana
at alan dına geçiyorsun
Hazır mısın başla!



Forest Explorers - Spruce Module

The "Forest Explorers" education program strengthens children's connections with the natural world and reinforces their cognitive, emotional, and motor skills through outdoor and indoor activities over 10 weeks. Weekly activities and lessons help children improve their observation, problem-solving, and teamwork skills in nature, while also supporting environmental awareness and understanding the value of natural resources. Practices such as arts and crafts, nature walks, and meditation encourage children to develop a deeper connection with nature. With "Forest Explorers," children not only discover the enchanting beauty of the outdoors but also grow into environmentally conscious individuals.

Additionally, the program provides one educator guidebook, one activity journal for students, lesson presentations, and supplementary educational materials.

Age: 10-11

Keywords: Nature education, cognitive development, sensory development, motor development, educational program.



Nature Journal

Designed to facilitate nature documentation, this journal includes information on seasonal natural events, a checklist of essentials for observing nature, prompts for recording observations through drawings, thought-provoking questions, and surprising facts.

Dimensions: 16.5 x 21.5 cm | 130 Pages | Cardboard Cover | Age: 3+



Trail of Nature Card Game

Playable in an open green space, a forest, or by the seaside whether alone or with friends. Trail of Nature is designed to rebuild connections with nature and experience it through all senses.

Number of Players: 2 or more

Dimensions: 18 x 13 x 4 cm | 104 Cards | Age: 5+



Your Logo Goes Here



Ecosystem Food Chain Card Game

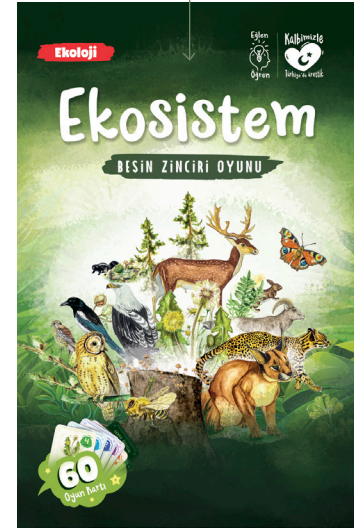
The Ecosystem Food Chain Game is a card game that helps individuals distinguish between living and non-living entities and explore the basic needs of living beings. The game also aims to nurture explorers who internalize the love and protection of nature, guiding them toward becoming individuals who are aware of and sensitive to their environment and able to perceive the whole.

Number of Players: 2 or more

Dimensions: 18 x 13 x 4 cm | 60 Cards | Age: 5+



Your Logo Goes Here



Leader Farmer Board Game

Leader Farmer, the first game focused on agricultural technologies, aims to teach individuals how to practice nature-friendly farming using technology. Additionally, the game introduces players to important scientists in the fields of agriculture and technology through beautifully designed cards.

Number of Players: 2 or more

Dimensions: 25 x 25 x 6 cm | 1 Game Board | 4 Player Panels | 24 Tool Cards | 4 Avatar Cards | 120 Crop Tokens | 4 Crop Storage Units | 112 Game Cards | Age: 8+



I'm Exploring Nature with Pırl Nature Observation Kit

A nature observation kit designed for closely examining, discovering, and interacting with nature. It includes a discovery notebook and Nature Journal for recording data, a magnifying glass, an insect observation model, and the Colors of Nature game for a deeper understanding of the ecosystem.

*Dimensions: 22 x 30 x 4 cm | *Nature Journal* | Discovery Notebook | Seed Kit | Observation Box Model | Cloth Bag | Magnifying Glass | Stickers | Age: 5+*

Insect Observation Box

The Insect Observation Box is used in science and nature education to examine living organisms found in nature in more detail during observation activities. It's an ideal product for children who love to explore.

Magnifying Glass | Plastic | Lens





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