

MONTESSORI



NATURE





“ Only poets and little children
can feel the fascination of a tiny
rivulet of water flowing over pebbles. ”



THANK YOU

GAME BREAKDOWN



TEACHING TOOLS

Thank you for downloading Montessori Nature. Nowadays, It is easy for children to become disconnected from nature in our bustling city landscapes. But what if we could use technology to cultivate an engagement with nature that inspires curiosity, a love for its marvels and in effect re-introduce our kids to the natural world?

According to Maria Montessori, a connection to nature is essential to a child's development and spiritual well being. Children experience great joy when observing, reporting on, and reaping the bounty of the natural world around them. The different scents of flowers in a garden, the tartness of a freshly picked apple, the peculiar appearance of tadpoles in a meadow, or the gentle push of the current in a natural spring for example.

Edoki Academy has taken great care in ensuring that children's experiences in Montessori Nature are as close to reality as possible. This way, children develop a knowledge of how to nurture a garden that can be applied in real life.

As they play with the app, children will come to understand the interconnectedness of the ecosystems that surround them and see the value in nature. They will also learn the life cycles of plants and about the careful balance of sunlight, water, and love it takes to grow them. Exposing children to these concepts at an early age promotes a lifelong appreciation and dedication to Mother Earth's preservation.



THANK YOU

GAME BREAKDOWN



TEACHING TOOLS

1

Purchase fruit, vegetable, or flower seeds by tapping the seed icon. The price of each package of seeds depends on the difficulty to raise that crop.

2

Water your sprouts using the watering can. You can also use a weather frog to track when rainfall will occur, which naturally waters your garden.

3

Weeds are plants that grow where you don't want them to. It is important to remove them from your patch because they can disturb the growth cycle of the fruits, vegetables, and flowers that you are trying to grow. You can do this using the cultivator.



THANK YOU

GAME BREAKDOWN



TEACHING TOOLS

4

Once plants have completed their growth cycle, you can harvest them using the clippers. You will gain some seeds in addition to the crop.

5

Use the wheelbarrow to bring your crop to the barn or the cottage. Buddy the Bunny or Coco Bear will collect it and give you nature coins in exchange.

6

Use the nature coins to purchase new seeds for your garden.

7

Dig new patches of soil to plant and harvest new seeds.



THANK YOU

GAME BREAKDOWN



TEACHING TOOLS



Seed

Choose a fruit, vegetable, or flower to plant.



Watering Can

Water your plants.



Spade

Dig up your garden.



Rake

Gather twigs and leaves to clear a patch before planting.



Hoe

Create a new patch of soil.



Clippers

Harvest your crops.



Grass seeds

Erase a patch of soil to have grass instead.



Cultivator

Remove weeds and leaves while sparing your precious sprouts!



Wheelbarrow

Carry your crops to the barn or cottage.

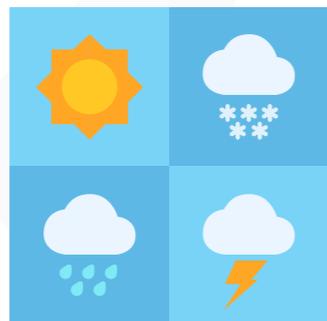


THANK YOU

GAME BREAKDOWN

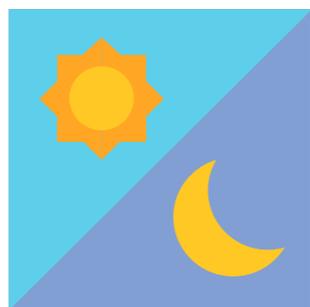


TEACHING TOOLS



Weather

It is not always sunny in Montessori Nature. Sometimes it rains, thunderstorms, or even snows. Like the seasons, weather impacts a garden in different ways. The weather frog can help forecast weather patterns.



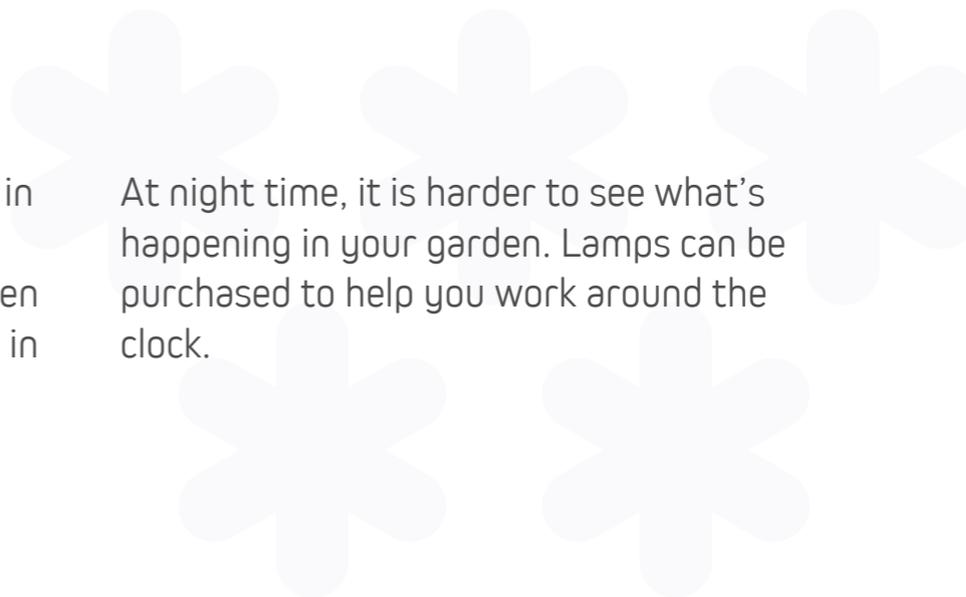
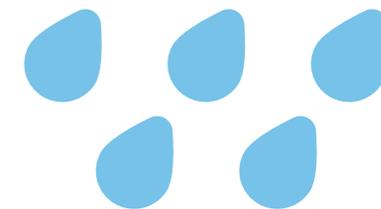
Day and night

24 hours in Montessori Nature goes by in 4 minutes (240 seconds). Night time is shorter than in real life. It occurs between 9pm and 4am in winter, 10pm and 3am in spring, 11pm and 2am in summer, and 10pm and 3am in spring.



Seasons

Children will experience all four seasons as they tend to their garden. Each season affects the plants in different ways.



ENVIRONMENT



THANK YOU

GAME BREAKDOWN



TEACHING TOOLS

Cottage

You can create jams and sauces using different combinations of vegetables and fruit. These tasty treats can be sold to animals with a sweet tooth, like Coco Bear. You will need to produce 4 pots before she visits.

Earn 4 coins to unlock the cottage.

Shop

You can access the catalog to choose accessories for your garden in the shop. Some accessories help modernize the garden, others are merely for decoration.

Earn your first coin to unlock the shop.

Barn

Once your crops have been harvested, place them in the barn to sell.



Beehive

Planting plenty of flowers that bloom at different times will ensure that your garden is attractive to bees. Patience is important because if you harvest your flowers too soon, the bees may not come. These pollinators will collect nectar from flowers in your garden to produce honey. You can retrieve it from their hive to make honey jars for Coco to buy.

Earn 10 coins to unlock the beehive.

THANK YOU

GAME BREAKDOWN



TEACHING TOOLS



Connect the Class or your Family

Create an Edoki Academy account and connect up to 30 children in the Community Garden so they can cultivate the land as a team.



Work Together

Tend the garden in real time with other little farmers. Actions such as planting, watering, and weeding performed by other children will refresh on each child's screen. The child's icon will be displayed above the patch they tended to.

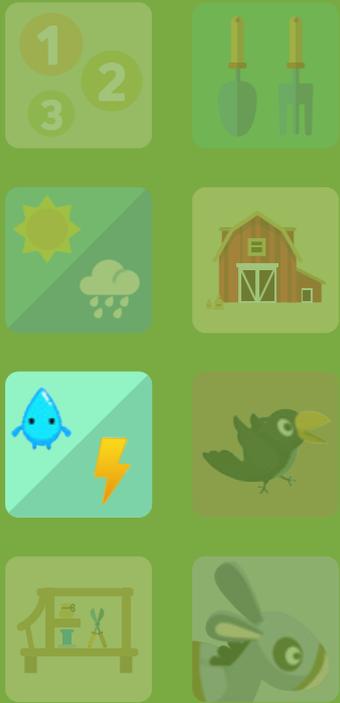


Share the Wealth

Children share a common currency and must spend each nature coin wisely. All items bought from the store will be shared among the children.

THANK YOU

GAME BREAKDOWN



TEACHING TOOLS

Water

The groundwater pump collects water from rainfall. You can fill your watering can there. It is important to monitor the weather forecast to be sure that you don't run out of water. Pay attention to the blue gauge on the pump as it indicates the groundwater level.

Rain protects your garden from drought by raising the groundwater level and keeping plants hydrated. The weather frog can help you track when it will rain.

Automatic sprinklers can also be used to quench your plants' thirst. They need energy and water to run.

Electricity

The wind turbine generates electricity that you can use to power robots, lamps, and sprinklers in the garden. You may also purchase solar panels to produce electricity.

**NATURAL
RESOURCES**



THANK YOU

GAME BREAKDOWN



TEACHING TOOLS



Ravens

This pest will destroy your crops if you don't shoo him away by tapping him three times. You can also purchase a scarecrow to frighten him.



Moles

This pest will continue to dig up holes in your garden until you shoo him away by tapping him. You can't create new patches of soil where there are holes. Use the shovel to fill them.

PESTS





These items can be purchased with nature coins to customize your garden and make it more efficient.



Weather Frog

Predicts the weather forecast.



Automatic Sprinkler

Waters your plants while you're away. It needs water and electricity to operate.



Dog and Dog House

Scares away the mole and the raven.



Robot

Super gardening tool that waters your plants, plants seeds, and removes weeds automatically.



Lamp

Illuminates the garden during the night so you can keep working.

Did you know?

High tech robots that can help you grow any crop your heart desires really exist! Farmbot (link to <https://farmbot.io>) is an open source farming machine that can be controlled using an app on your phone!

THANK YOU

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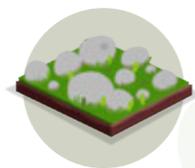
Solar Panel

Creates electricity from sunlight.



Electricity

Purchase more energy for various garden accessories.



Stone Pathway

The robot uses these to move around the garden.



New Tools

Tools become rusty if left out on the grass. You can buy new ones from the catalog.



Water Tank

Purchase these if you suffer from a drought.



Fences

Decorate your garden with these. They come in red, white, or blue.



Scarecrow

Frightens the ravens.



Watering Can

Upgrade your current watering can for a larger one.

THANK YOU

GAME BREAKDOWN



TEACHING TOOLS

CHARACTERS



Buddy Bunny

Buddy purchases your fruit, vegetables, and flowers to sell at the market. He will award you with 1 nature coin for each crop.



Coco Bear

Coco has a huge sweet tooth and will gladly take jars of honey and jam off your hands! She will award you with some nature coins depending on the rarity of the crop.



Daisy the Dog

On top of being very cute, Daisy chases ravens and moles.



My First Basil Plant

THANK YOU

GAME BREAKDOWN



TEACHING TOOLS



Basil is a great herb for beginners because it is readily available and grows relatively quickly. Check out our simple steps and grow your own in no time.

What you will need



1 medium sized pot



Small rocks or clay pebbles



Soil



Fertilizer & compost (optional)



Water



1 basil seedling plant



Purchase a seedling plant. The most common type of basil is Sweet Basil but you can also try Thai, cinnamon, dark opal, lemon, or lime.

1

Choose a medium sized pot for planting. Make sure it's deep enough for roots to grow. Don't hesitate to have your child decorate it.

2

Put 1 to 2 handfulls of clay pebbles in the bottom and then fill the pot with soil. Add fertilizer and compost if you wish.

3

Create a well in the center of the pot using a trowel or your hands. Insert the seedling plant with its soil and roots. Pack the soil down so the plant stays in place.

4

Basil needs at least 6 hours of sunlight per day to flourish. Choose the right spot for it!

5

Water your basil plant at the base when its soil feels dry to the touch. Outdoor plants need to be watered more often.

6

Pick leaves regularly and snip any flowers off to encourage the plant to keep producing but leave at least $\frac{1}{3}$ of the plant intact. Start from the top rather than the bottom.

7

Enjoy your basil fresh or air dry it to be used later!

8

It is normal for basil to flower and die as a houseplant in colder climates during the winter. Be sure to let your kids know this when you plant them in the spring.