



wonders of waste

**The group:**

8 toddlers 1-2 years old

**Teachers:**

3 teachers have been involved.

We had to modify some of the tasks, and some of them we gave to the older children.

**Timeline:**

We started September 2019 and all the project activities were finished in June 2021.

The head teacher of the project left her job in august 2021.

Our Green Flag application got approved August 2021.

We got our recertification approved August 2022.

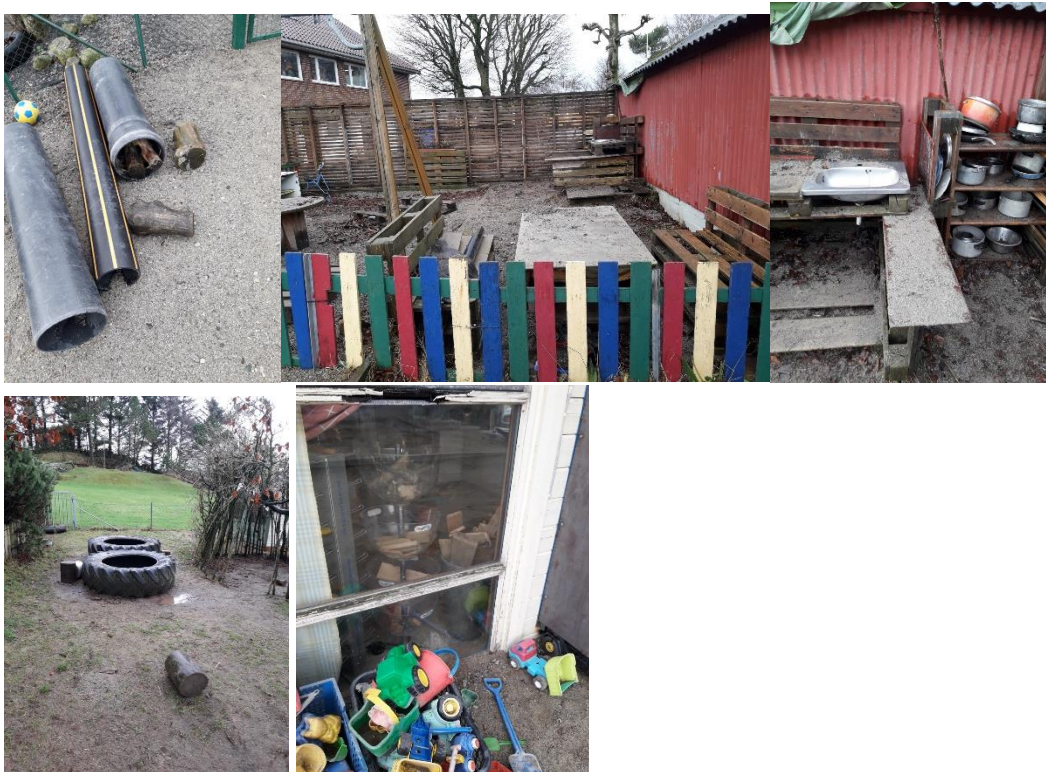
We have continued the focus on sustainability.

# Recognize

September 2019 -February 2020

## 1. Take pictures of the materials, objects and things in our school.

- Here are some photos of materials, objects and things in our school outside.



## 2. Memory game – Match the pictures representing various materials ( glass jar, plastic bottle)

- We used everyday things instead of glass jar and aluminum can.

Here we used

1. Diaper – Non recyclable waste
2. Yogurt- plastic waste
3. Crispbread – Organic waste

we took a towel over, took away one thing and lifted up the towel, what it is missing?

The children learn to focus, names of the materials and also remembered what was missing.



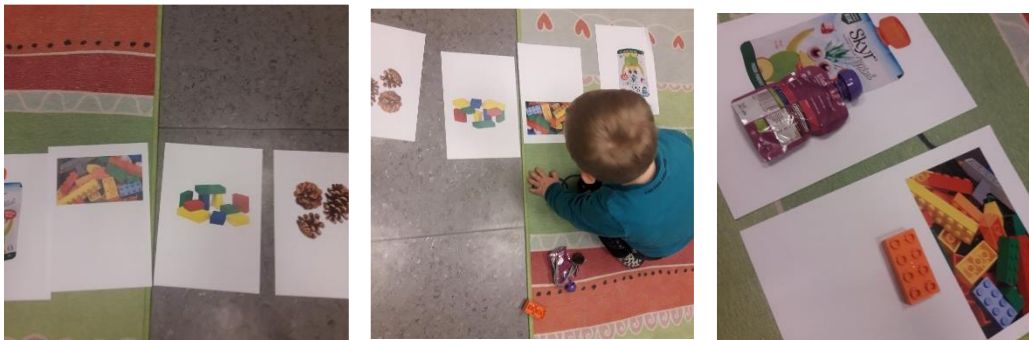
### 3. Distinguish natural materials from artificial

- We printed out some photos of different materials we found in the kindergarden.

1. Smoothie. 2. Plastic bricks. 3. woodbricks. 4. Pine cones

First we showed them the right place, name and what it's made of. Then we asked the children, where does it belong? Which one can we find in the woods? What material is it?

They learned to place the objects in the right photo, also their name (Pine cone) and where we can find them.



### 4. Visit to the woods - What belongs in the woods and what does not?

- We found different things on our trip and asked the children to put things they thought did not belong in the nature in the bag.





## 5. Sowing of garbage- we bury various types of materials in the ground and look at the organic materials of our garden.

- We used, paper, plastic, diaper, milk carton, bread slice, fish and strawberry inside a glass jar. We will in 6 months see what is left.

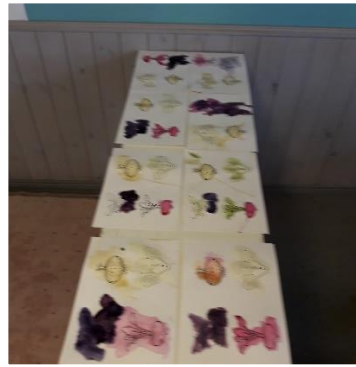


After 6 months



## 6. Use natural colours to decorate, also glass and other materials.

- We used what we had in the refrigerator, we found a beetroot, spinach, blueberry and onion. We made paint by chrushing the ithems whit a spoon. Then we used the painting brush to paint. We learn that we could make paint of organic materials that we allready have at home.



## 7. Creation of an herbarium

- The 5 years old gathered leaves, flowers and berries, we dried them in newspaper and books and made a cute Pentecost.

We learn that we could use what we found the nature and make a beautiful picture.



## 8. Expert visit – the garbage man

- We called an expert and asked if he could show u show he took the garbage and tell us where it goes after he picked it up, 80% of the garbage is transported to Sweden, because some gasses in Norway is not allowed to release but in Sweden they can.





### 9. Children and their families will daily bring kitchen waste and organic material to fill the compost.

- The kindergarten is on a farm and we could not bring our waste to fill the compost because there is a chance that pests and rats will appear

### 10. Activities whit the rose of Jericho

- We could not get a hold of this plant but we used flower tea insted.

It is a dry ball, but when we pour water over - it becomes a flower.



### 11. water games- what happens if you keep pouring water?

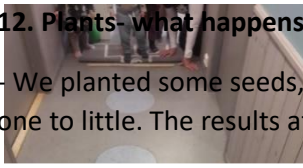
- We took an everyday task, example at lunch fill a glass with water. What happens if the glass gets full?

We learned that the water would eventually end up on the floor and we had to clean it up, if we didn't want to get our socks wet. After the children practiced filling the glass with water.



### 12. Plants- what happens if we use too much water and too little?

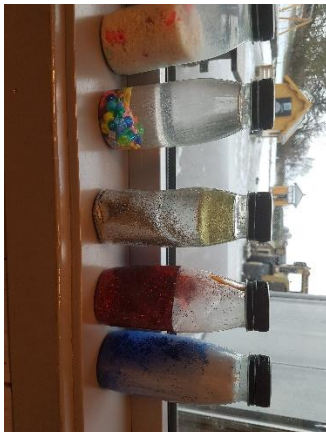
- We planted some seeds, got them to grow green. Then we gave one too much water and the other one too little. The results after 2 weeks. One dried out and the other one rotten.



### 13. Sports competition – with waste

- we found used bottles in the kindergarden, filled them with some water, so the children got some resistance and used a ball to bowl

We had a lot of fun and after we reused the bottles again and made sensory bottles where we took sand, small stones, glitter in different colors and soap.





# REDUSE

March – August 2020

## **14. For a certain period of time, the family will bring the plastic to the kindergarden**

- This task we did not do, because in Noway every one have waste sorting and pays for a certain amount of waste to be picked up. If there is too much plastic the garbage truck will not take the waste.

## **15. Organize purchasing groups**

- We have all kinds of purchasing groups on facebook and saw that many of the parents already used them and the rest we recommended to use the groups on facebook.

## **16. Meeting with parents and with an expert to learn how to auto-produce simple products at home.**

- We did not have a visit from an expert, but we sent out some links to them so they could see and try if they wanted.

[HOMEMADE DEODORANT RECIPE | low waste - YouTube](#)

[HOMEMADE BEAUTY GIFT IDEAS | 3 simple recipes - YouTube](#)

[3 best Aloe Vera Face and body moisturizer and mask for clear, glowing skin - YouTube](#)

## **17. Sow seed in toilet paper rolls to make them sprout.**

You need: seeds, water, soil and a milk carton.

- We looked in our waste and found a milk carton so we used it instead of paper rolls.

We decorated them first, then we found some soil outside, put it in the milk carton. Then we went inside to put the seeds in.



### 18. Make a little green house and replant

You need: seeds, cotton, water and a plastic bag.



- We had over 200 flowers in our kindergarten, that the kids have planted.



### 19. Get use to putting the organic waste in the composter daily.

- We can't put the organic waste (food leftovers) in the compost, but we give it to the animals.



### 20. Use the compost soil to seed plants

Compost from the garden is not ready yet

## 21. Reforestation seeding and planting of flowers trees in barren areas around us



## 22. Collect Rain water to water the plants.

In Norway it rains a lot. Outside we have reused pans and pots and when it rains, they get full and we can use the water from outside to water the plants inside.



## 23. Grow food in the garden and eat it





#### **24. Collect food waste for our animals**

The food that's left after we eat lunch we give to the animals



#### **25. Share the veggis /fruits that the kindergarten grow and does not consume**

- The vegetables we don't eat, we use to make things for example: beets, jams and spices butter. We sell this to the parents when we have events

#### **26. Learn which spontaneous herbs we can be collected and eat**

#### **27. 5 Important colors in our food.**

- Green, red, yellow, white, black



#### **28. Organize family events**

- We have a Christmas party, summer party and a kindergarten day where we use the kindergarten and have different kind of activities

#### **29. Organize walk-bus to bring the children to school**

- Our kindergarten is too far away from train/bus and it is too far to walk/cycle

#### **30. The school flea Markets**

We have school flea markets every time we organize family events. Our next is 15<sup>th</sup> November

### 31. Homework with parents

- The sensor on the electric, and it turns off automatically so we can save electricity
- remind the parents to turn off tap water ex. when they brush the teeth's

### 32. Use a fabric bag

- Every child gets a fabric bag from the kindergarten and used it to bring clothing back and forth.



### 33. Games with water

- bubbles, soup, river, painting, cake baking



# RECYCLE/REUSE

September 2020 – February 2021

## 34. Check the bins, what can we reuse

We do this all the time in the kindergarten

## 35. Egg shells to keep the snails away

We tried – not sure if it helped 😊

## 36. Plastic bottles to make instrument.



## 37. Recover food for our animals from the table





### **38. Make paper**

### **39. Make a scarecrow with recycled materials**

- We found an old t-shirt and trousers, an old football became the face, eyes and mouth were drawn with marker, plastic bags became hands and not least she needed sunglasses and hair.



### **40. Car tires as flower pot, using composted material from our composter.**



We did not use soil from our compost, but we got composted soil from the farm

### **41. Empty bottles or containers to water our garden**

There is a lot of rain in Norway, so there is no need to water the flowers or veggies in the garden

#### 42. School decorations whit scraps ( paper, fabric, plastik)



#### 43. Visit to the local dump

- It is too far away, so we could not go

#### 44. Organize family events to encourage them to use the school flea market

- The parents decided 1 or 2 happenings during a school year for flea market

#### 45. Visit to biogas plant or an expert



#### 46. Science experiments on energy production with water /sun/wind?

