

COORDONATORI

HORLESCU GABRIELA-BRÂNDUȘA, ȘALARU CONSTANȚA

**Science and Art- Rediscover, Research and Creative Recycle
Module 3. Science, technology, engineering, art and
mathematics**

Bahna Mare

2023

ISBN 978-973-0-36996-0



Funded by
the European Union



CrowdAid



Project title: Science and Art- Rediscover, Research and Creative Recycle
Reference number: 2021-2-RO01-KA210-ADU-000049632



„Science and Art- Rediscover, Research and Creative Recycle” **Module 3. Science, technology, engineering, art and mathematics**



Sprijin+
Bahna-Mare,
Com. Birgauani
Neamt, Romania
Website: <https://asociatiasprijin.weebly.com/>

Partner Organisations:

Sprijin+ Association, Romania, coordinator
CrowdAid A.P.S., Ente del Terzo Settore, Italy, partner
Room For Art, Cyprus, partner
VIBE Slovakia, Slovakia
Erdemli Ilce Milli Egitim Mudurlugu, Turkey, partner
Eko Tim Istok, Macedonia, Partner

Transnational meeting no. 3
SCIENCE, TECHNOLOGY, ENGINEERING, ART AND
MATHEMATICS

Rome, Italy, January 26-27, 2023

Agenda of activities

January 26, 2023

- Workshop “Creative recicle” at Fusolab
- Introduction to creative recycling and combating food waste
- Description of 3 types of workshops with creative recycling
- Realisation of the proposed artefacts





January 27, 2023

- Exhibition "Circular Art" at MAXXI
- Visit Rome



Textile recycling

Şalaru Constanţa

Textile recycling is a critical component of sustainable fashion, which seeks to reduce the negative impact of the fashion industry on the environment. Textile recycling involves reusing or repurposing old fabrics to create new garments or products, rather than sending them to landfills. This approach can reduce waste and save valuable resources while also promoting creativity and innovation.

Creative textile recycling involves taking the process of textile recycling one step further by utilizing innovative techniques and ideas to turn old textiles into new, unique and fashionable items. There are many ways to practice creative textile recycling, from upcycling old clothing to making yarn from discarded fabrics. Here are some examples of creative textile recycling methods:

1. Upcycling

Upcycling involves taking old, unused, or unwanted garments and transforming them into something new and desirable. It could be as simple as adding a new button or trimming a hemline, or as complex as combining pieces of clothing to create a completely new garment. By using existing fabrics and textiles, upcycling reduces the environmental impact of textile production while also promoting creativity and individuality.

2. Reconstruction

Reconstruction involves using parts of existing garments to create entirely new ones. This can be done by taking apart old clothes and re-sewing them into new designs, or by using parts of multiple garments to create something entirely new. Reconstruction is an excellent way to breathe new life into old garments, and it promotes resourcefulness and creativity.

3. Textile weaving

Textile weaving involves using fabric scraps or discarded garments to create new textiles. The process of weaving involves combining fabric scraps to create a unique and visually interesting textile. This can then be used to create new garments or products.

4. Fabric dyeing

Fabric dyeing is a process of adding color to existing textiles. This can be done by using natural dyes or eco-friendly dyeing methods, which reduces the environmental impact of the dyeing process. By adding color to old textiles, fabric dyeing can create unique and interesting designs that are both sustainable and fashionable.

5. Yarn making

Yarn making involves taking existing fabrics or textiles and shredding them into small pieces. These pieces are then spun into yarn, which can be used to create new garments or products. Yarn making is a great way to utilize scraps and waste fabrics that would otherwise be discarded.

Sock it to Waste: Creative Recycling Ideas for Old Socks

Socks are a common item in everyone's wardrobe, but they can be a major source of waste when they wear out or lose their mates. Instead of throwing them away, consider creative recycling options that can give old socks new life and reduce waste.

Here are some ideas:

1. Cleaning rags: Old socks make great cleaning rags for dusting, wiping down surfaces, or cleaning shoes. Simply cut the sock into smaller pieces and use them as needed.

2. Pet toys: Dogs and cats love to play with toys, and old socks can be repurposed into fun and safe playthings. Tie knots in the sock to create a chew toy, or fill it with catnip to create a cat toy.

4. Sock puppets: Sock puppets are a classic children's toy that can be easily made from old socks. Use fabric scraps, buttons, and other craft supplies to create unique and fun puppets.

6. Creative fashion: Old socks can be repurposed into new fashion items like mittens, hats, or even sweaters. Use your creativity to turn old socks into new and fashionable items.

Making toys from old socks is a great way to repurpose and recycle materials.



What materials do we need to make toys from old socks:

- ✓ Old socks
- ✓ Scissors
- ✓ Needle and thread
- ✓ Filling material (e.g. cotton, wool, or polyester stuffing)
- ✓ Decorative materials (e.g. buttons, ribbon, felt)







By repurposing old socks, we can reduce waste and save money on buying new cleaning supplies or pet toys. These creative recycling ideas can also provide fun and unique ways to use something that would otherwise be thrown away.

Bibliography

<https://www.epa.gov/sustainable-management-textiles-and-apparel/textile-waste-diversion> <https://www.textileschool.com/510/recycling-of-textiles>

<https://www.marthastewart.com/270950/sock-animals>

<https://www.thesprucecrafts.com/diy-sock-toys-4177846>

<https://www.parents.com/fun/arts-crafts/kid/how-to-make-sock-puppets/>

"Waiting for Spring – it's time for a new beginning! "

Gabriela-Brândușa Horlescu

"Waiting for Spring – it's time for a new beginning! " Workshop

Location: Asociația Sprijin+, Piatra Neamt

Date: February, 12, 2023

Spring is more than a simple season, it is a state of mind. Spring comes with joy, with its procession of flowers, light and color. It's time for a new beginning.

We have the opportunity to offer flowers and “mărțișoare (symbol of spring)” to our loved ones.

“Mărțișor” is the name of a romanian tradition celebrated at 1th March and the name of the associated object made from two intertwined red and white strings with hanging tassel.

In today's workshop, we made from recyclable materials "mărțișoare", medallions, ornaments dedicated to March 1st, dedicated to Spring.



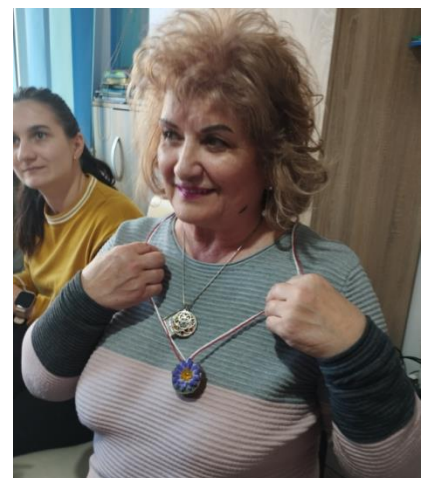
Creative wood recycling

Wooden objects can be customized with various painting and decorating techniques and we can transform wooden blanks into a wonderful gift, handmade objects or decorative artistic objects.

Decorating wooden objects is a creative craft activity! Everyone has the freedom to decorate wooden objects through a variety of techniques: painting in acrylic colors, decorative pastes, wood varnishes, pyrography, watercolors, carvings, etc.

A layer of primer or acrylic (liquid paint or acrylic spray) is applied to the absorbent surface of decorative wooden objects before they are painted.

We made medallions from small wooden rounds obtained from tree branches.



Creative recycling of textile threads

From textile threads we can weave, crochet various floral ornaments.

Crocheting is the technique of making textile materials with the help of long metal tools with a bend at the tip called a crochet, with the help of which the threads are crocheted.

The art of crocheting offers the opportunity to use a rich range of yarn chain links and techniques that result in a wide variety of new crochet patterns.

Crocheting is one of the oldest occupations of women in particular, a tradition by the way, which is not only limited to the crocheting of decorative items but also clothing items, especially for children.

Crocheting is one of the most difficult techniques for making clothing items, especially if it is done by hand. From the same thread, with the same crochet, you can make many models, starting from knots, bows, flowers, etc.





Modeling technique

Using plaster or other materials for modeling, by pouring into shapes, interior or exterior decorations for homes can be made.





Seasons come and go, but every man keeps a season in his soul. Try to keep the Spring.

Creative recycling workshops

Using cardboard, glass, stones, paints, plants, the team from Macedonia made ornaments *for the house*.



The team from Slovakia made the candles using orange peels and metal boxes.



Rome, the museum city

Gabriela-Brandusa Horlescu

A harmonious city, built on the seven hills that remind of the legend of Romulus and Remus, the capital of Italy, Rome, attracts not only by its rich history but also by numerous tourist attractions that bring here hundreds of thousands of visitors every year.

Rome is one of the oldest cities in the world and one that never ceases to amaze.

Located on the banks of the Tiber River, Rome is one of the most important tourist centers in Europe.

Also called the Eternal City, it is a mix of captivating ancient ruins, art and a lively atmosphere.

Bocca della Verita



Bocca della Verita, the mouth of truth, is a marble disc from Ancient Rome with a bas-relief depicting the face of a man. According to the legend, if a liar places his hand inside the mouth on the bas-relief, it closes.

The massive marble disc weighs approximately 1300 kg and most likely depicts the god of the seas, Oceanus. The eyes, nose and mouth are open.

The Colosseum



The Roman Colosseum is one of the New Seven Wonders of the World.

„Enter into the stands and imagine the roar of 50,000 spectators as the emperor decides who lives or dies.

Follow in the footsteps of gladiators and step out onto the arena floor.

Delve into the labyrinth below the Colosseum, where the gladiators and wild animals would be kept to await their fates.”

Fontana di Trevi



The most famous of the Roman fountains: a gem of water and stone

The Trevi Fountain, terminal exhibition of the Virgin's aqueduct, the only one of the ancient aqueducts in continuous operation to this day, is the most famous of the Roman fountains.

Its name derives from a toponym in use in the area since the middle of the 12th century, regio Trivii, referring to the confluence of three streets in the square, or from the triple discharge of the original fountain's water.

The Vittoriano: monument of the celebration

Next to the Piazza Venezia square there is the remarkable white monument honouring Italy's first king Vittorio Emanuele II. Italians also call the Monument of Victor Emanuel II ‘Il Vittoriano’ and ‘Altara della Patria’, or altar of the fatherland. The monument commemorates the unification of Italy in 1861 and the first king of Italy, Victor

Emmanuel II. Although this monument was built in his honour, he is not buried there. Instead, he is buried in the Pantheon.



The twin churches



The Santa Maria dei Mircoli and the Santa Maria in Montesanto are known as the Twin Churches because of its identical exterior structure. However, if one looks closely and compare both churches technically one will see that there are some slight differences.

Leonardo da Vinci Museum



„You will have the opportunity to touch the extraordinary inventions of Leonardo Da Vinci through a unique interactive exhibition, from prototypes of tanks to giant wings designed to make humans fly. The reconstructions of his most interesting projects, fully functional and faithful to the original notes, will allow you to understand their mechanism just as their inventor had imagined it.”

Castel Sant'Angelo



The Vatican Museum



„The Castel Sant'Angelo Rome was originally built as the tomb of Roman Emperor Hadrian in 135 AD. This mausoleum was eventually converted into a military fortress that protected Rome during the Middle Ages. Since then, it has served as the Papal Residence, a prison during the Renaissance era and now, as one of Rome's museums. Other than serving as a repository of historical information, it is a site of immense cultural value that houses many sculptures, architecture, frescoes, and more.”

„The Vatican Museums (‘I Museu Vaticani’) are some of the largest museums in the world with an enormous collection that varies from ancient Roman and Egyptian artefacts, religious objects, beautifully painted rooms and even modern art. The 26 different museums of the Vatican are housed in a complex of multiple Apostolic palaces, and are by far the most popular museum destination in Rome, in part because of the famous Sistine Chapel. During your visit, you will marvel at the many art treasures that the popes have collected in 54 halls since the 16th century.”

Vatican Church



„St. Peter’s Basilica is one of the holiest temples for Christendom and one of the largest churches in the world. Besides, it’s where the Pope presides many liturgies all year round.

The basilica was called St Peter’s after one of Jesus’s twelve disciples known as Saint Peter, who became one of the founders of the Catholic Church and was executed in Rome and buried where the Basilica now stands.”

Bibliography

<https://www.tvl.ro/roma/obiective-turistice/gura-adevarului-bocca-della-verita.html>

<https://www.rome.info/attractions/colosseum/>

<https://www.turismoroma.it/it/luoghi/fontana-di-trevi>

<https://romesite.com/monumento-vittorio-emanuele-II.html>

<https://www.romesightseeing.net/the-twin-churches/>

<https://www.leonardodavincimuseo.com/en/>

<https://www.castel-sant-angelo-ticket.com/castel-sant-angelo-rome/>

<https://romesite.com/vatican-museums-sistine-chapel.html>

<https://www.rome.net/st-peters-basilica>

The power of creative recycling

Șalaru Constanța

In a world where waste is abundant,
And our planet's health is redundant,
We need to find ways to reuse and repurpose,
To minimize our impact and reverse this curse.

Creative recycling is the answer,
To turn trash into something grander,
From plastic bags to old tires,
The possibilities are limitless, no need for buyers.

I've seen sculptures made of scrap metal,
And furniture crafted from old pallets,
Jewelry created from soda can tabs,
And clothing sewn from fabric scraps.

From the trash heap, beauty can arise,
And new life can be given to what we once despise,
So let's embrace the power of creative recycling,
And make our planet a cleaner and happier thing.

Every day has its beauty

Gabriela-Brandusa Horlescu

It's sunny, it's dark or it's raining
Mark the day and hearken,
Your secret mind
Or your fearless heart.

Monday - day of the Moon
Plan, analyze and design, under the light of the moon.

Tuesday - day of Mars
Change, invest and act, dears.

Wednesday - the day of Mercury
Moreover, discover and travel or read a book by Antony Cury.

Thursday- day of Jupiter
You deserve respect , you can serve a dessert, wait a waiter...

Friday – day of Venus
It's the day of love, joy, meetings, parties and menus.

Saturday – day of Saturn
Spend time at home with your family and sturn.

Sunday - the day of God, the day of the Sun Pray for your loved ones, mother,
father, grandfather, grandmother, sister, brother, daughter or son!

Pray for all, pray for Life and discover the Sun! Because you never know when there
will be chaos!

CONTENTS

Transnational meeting no. 3, SCIENCE, TECHNOLOGY, ENGINEERING, ART AND MATHEMATICS	1
Textile recycling, <i>Şalaru Constanta</i>	3
"Waiting for Spring – it's time for a new beginning! "	
<i>Gabriela-Brânduşa Horlescu</i>	8
Rome, the museum city	
<i>Gabriela-Brandusa Horlescu</i>	14
The power of creative recycling	
<i>Şalaru Constanţa</i>	19
Every day has its beauty	
<i>Gabriela-Brandusa Horlescu</i>	20