

TRAINING DESIGN

Work package n°3 - Teachers training activities

Topic: Recovery of recoverable textile materials

Generalities:

The activity is designed for high school teachers from 5 countries involved in the **Erasmus+ project / KA220-SCH - Cooperation partnerships in school education**
Project N°: 2022-1-RO01-KA220-SCH-000087450

Activity duration: 5 days – 8 hours each

25 participants

Place: : IIS "E. De Nicola" San Giovanni la Punta, Italy

Scope of activity:

All these specific proposed objectives contribute to achieving the general purpose of the project, namely to develop in students and teachers in partner schools a positive attitude towards reducing the consumption of textile products and the amount of textile waste, to ensure the re-use and recycling, protect natural resources, protect the environment, energy recovery and prevent climate change. People should be encouraged to reuse all textiles before recycling, reused as many times as possible thus reducing their carbon footprint.

Performance objectives:

- to develop in the teaching staff of the partner schools, competencies regarding the circular economy and circular product design
- to enhance the quality and European dimension of the teaching process in partner schools
- to improve the competencies in foreign language communication skills for both pupils and teachers by participating in LTTA's and activities on eTwinning
- to interconnect different systems of education.

Course structure:

1. Sustainable textiles and non-textiles
2. Superior recycling of textile waste
- 3 Recycled textiles
4. Entrepreneurship and new business models for the transition to the circular economy.

Day 1

Hour	No. of Minutes	Subject/Topic	Description	Method	Materials
9:00	60 min	Event opening	Welcome addressed by IIS "E. De Nicola" San Giovanni la Punta		
10:00	30 min	Project presentation	Project description – prof. Anca Marilena Lupei		
10:30	15 min	Break			Coffee break
10:45	15 min	Presentation of the selected historical periods	Each partner presents in 15 minutes the historical period selected as representative for their country which will form the basis of the collection		
			Italy	PowerPoint Presentation	Video projector Laptop
11:00	15 min		Portugal	PowerPoint Presentation	Video projector Laptop
11:15	15 min		Turkey	PowerPoint Presentation	Video projector Laptop
11:30	15 min		Serbia	PowerPoint Presentation	Video projector Laptop
11:45	15 min		Romania	PowerPoint Presentation	Video projector Laptop
12:00	60 min	School visit			
13:00	60 min	Break			Lunch
14:00	5 min	Introduction	Group greeting: “Good afternoon and welcome to our second training activity”	Conversation	

			Trainer introduction: Name, surname, experience		
14:05	5 min		Module and objectives presentation	Conversation	
14:10	10 min		Identifying participants' expectations: participants discuss their expectations for this course and recall concepts presented at the LTTA in Romania.	Conversation	
14:20	25 min	„Sustainability”	Presentation of the topic: „Sustainability” Objectives presentation	PowerPoint Presentation	Video projector Laptop
14:45	20 min	Durability, reparability, and recyclability in fashion	The concepts are presented. The answer will be given to the question: What does sustainable fashion mean?	PowerPoint Presentation Conversation	Video projector Laptop
15:05	10 min	“Fast” fashion or "sustainable" fashion	The concepts are presented. Some questions are attempted to be answered: 1. What will be the trends in sustainable fashion? 2. How will the productive activity be reorganized? 3. What new trades will emerge? 4. What impact will the reuse and recycling of materials have on the	PowerPoint Presentation	Video projector Laptop

			<p>climate?</p> <p>5. What is the energy consumption for material recycling compared to producing new raw materials?</p> <p>6. How will the world's population adapt to the new trends?</p> <p>Exercise:For 10 minutes, participants will write down 3 answers on a piece of paper related to the topic, two of which are true and one is false. They will then read them aloud in front of all the participants, who will have to identify the false statement</p>		
15:15	10 min	Responsibility for the capacity for reuse, recycling, storage and waste incineration	<p>Aspects regarding the European Union-specific legislation on the separate collection of waste</p> <p>A few questions can be asked:</p> <ul style="list-style-type: none"> o Where do the material losses occur in the production process? (Sources of textile waste during the production phases) o How can materials 	PowerPoint Presentation	Video projector Laptop

			<p>considered as waste be reused?</p> <ul style="list-style-type: none"> o What can be done with garments at the end of the life cycle? 		
15:25	5 min	Sustainable textiles and non-textile	Presentation of the topic. Presentation of the objectives.	PowerPoint Presentation	Video projector Laptop
15:30	10 min	What are sustainable textiles?	Explanation of the concept. Examples.	PowerPoint Presentation	Video projector Laptop
15:40	15 min	Non-textiles. What are non-textiles? Can they be useful?	<p>Explanation of the concept. Examples.</p> <p>Exercise: <i>Mention 2 truths and a lie about non-textiles</i></p>	PowerPoint Presentation	Video projector Laptop
15:55	10 min	Stages of the entrepreneurial process	<p>Presenting sources of entrepreneurship and stages of the entrepreneurial process</p> <p>Example</p>	PowerPoint Presentation	Video projector Laptop
16:05	15 min	„Recycling of Textile Materials”	<p>Presentation of the topic: „Recycling of Textile Materials”</p> <p>Presentation of the objectives</p>	PowerPoint Presentation	Video projector Laptop
16:20	15 min	Sources/categories of textile waste	<p>Waste categories. Defining the concept: <i>Pre-consumer textile waste</i> or <i>industrial waste</i>, <i>Post-consumer textile waste</i></p> <p>Example</p> <p>Challenges and solutions to</p>	PowerPoint Presentation	Video projector Laptop

			recycling textile waste Exercise: Teachers are asked to identify challenges regarding the recycling process of textile waste and to propose solutions to the challenges		
16:35	15 min	Technology for recycling of textile waste	Defining the concepts: The primary methods of material recycling for textile waste materials Description and analysis of the recycling procedures along with technology holders	PowerPoint Presentation	Video projector Laptop
16:50	10 min	În loc de evaluare	The activities of Day 1 are briefly presented and the trainer thanks for the participation	Conversation	

Ziua 2

Ora	Nr. Minute	Subiect/Tema	Descriere	Metoda	Materiale
9:00	5 min	Introduction	Group greeting: "Good afternoon and welcome to our second theoretical training activity"	Conversation	
9:05	10 min		Presentation of the topic: Entrepreneurship and new business models for the transition to the circular	PowerPoint Presentation	Video projector Laptop

			economy. Objectives presentation.		
9:15	10 min		Icebreaker: <i>If you had to teach a class on recycling, what would you teach?</i>	Conversation	
9:25	95 min	Business models for the transition to the circular economy	Presentation /Explanation of the concepts. Example	PowerPoint Presentation	Video projector Laptop
11:00	15 min	Break			Coffee break
11:15	5 min	Introduction	Group greeting: “Good afternoon and welcome to our second training activity – the practical part”	Conversation	
11:20	10 min		Icebreaker: <i>How would you repurpose your clothes items?</i>	Conversation	
11:30	5 min		An overview of the practical activities that will take place on days 2 and 3. The working method and expectations are explained.		
11:35	5 min	Objectives and challenges overview	The purpose of the activity and the working method will be presented.		
11:40	15 min	Establishing work teams	Five teams will be formed, each consisting of 5 members, each from a different country and with different specializations if applicable (e.g. textile, design...). Each team will designate a moderator and choose a team name.		
11:55	10 min	Product examination	Each team will analyze the clothing products and auxiliary materials provided.	Conversation Small group work Brainstorming	Post-it Whiteboard Markers White/coloured A4 sheets
12:05	10 min	Creating the sketch	Each team member sketches one or more accessories that could be made from the materials provided.	Brainstorming	

12:15	20 min		Each participant will present his chosen solution to the team.	Brainstorming	Post-it Whiteboard Markers White/coloured sheets A4
12:35	15 min		The best idea within the group will be voted on. Additional ideas can be added.	Brainstorming	Post-it Whiteboard Markers White/coloured A4 sheets Whiteboard
12:50	40 min		The moderator of each team will present the chosen solution to their group of participants.	Show & tell	Whiteboard Post-it
13:30	60 min	Break			Lunch
14:30	140 min	Product creation	The product(s) proposed by the team will be made	Conversation Small group work Brainstorming	Textile product Thread, buttons, scissors, tailor's chalk, sewing needles, snaps, cord, textile threads, ruler, sewing machines
16:50	10 min	Instead of conclusions	The activities of Day 2 are briefly presented. Thanking the trainees for their participation	Conversation	

Ziua 3

Ora	Nr. Minute	Subiect/Tema	Descriere	Metoda	Materiale
9:00	10 min	Introduction	Group greeting: "Good afternoon and welcome to our second part of the practical activity"	Conversation	
9:10	10 min		Icebreaker: How is textile waste valorised in your country? How is textile waste collected in your	Conversation	

			country?		
9:20	100 min	Product creation	The product(s) proposed by the team will be made	Conversation Small group work Brainstorming	Textile product Thread, buttons, scissors, tailor's chalk, sewing needles, snaps, cord, textile threads, ruler, sewing machines
11:00	15 min	Break			Coffee break
11:15	105 min	Product creation	The product(s) proposed by the team will be made	Conversation Small group work Brainstorming	Textile product Thread, buttons, scissors, tailor's chalk, sewing needles, snaps, cord, textile threads, ruler, sewing machines
13:00	60 min	Break			Lunch
14:00	60 min	Lesson plan	The content of a lesson plan is established. It is detailed: <ul style="list-style-type: none"> ✓ learning objectives, ✓ methods, ✓ forms of organisation, ✓ evaluation of student activity and results, ✓ results description 	PowerPoint Presentation Conversation	Videoprojector Laptop White A4 sheets with the lesson plan model
15:00	5 min	Establishing work teams	Establishing the teams of teachers. Each team is composed of teachers from the same school.		
15:05	15 min	The topics for the 4 lessons are determined.	Each team determines the topics of the lessons for which the lesson plans will be created.	Small group work Brainstorming	Paper, pencils, pens
15:20	40 min	Design a lesson plan	Each team creates an example of a lesson plan	Small group work Brainstorming	Paper, pencils, pens
16:00	40 min	Presentation of a lesson plan	An example of a lesson plan is presented.	PowerPoint Presentation Conversation	Videoprojector Laptop

				Brainstorming	
16:40	20 min	Conclusions and discussions.		Conversație	

Ziua 4

Ora	Nr. Minute	Subiect/Tema	Descriere	Metoda	Materiale
9:00	290 min	Research visit	Two study visits are made in Bronte: at the jeans factory and fashion school "Istituto Tecnico Benedetto Radice"		
13:30	60 min	Break			Lunch
14:30	20 min	Lesson plan	Presentation of the lesson plan created by the team from Portugalia	PowerPoint Presentation Conversation Brainstorming	Video projector Laptop
14:50	20 min	Lesson plan	Presentation of the lesson plan accomplished by the team from Serbia	PowerPoint Presentation Conversation Brainstorming	Video projector Laptop
15:10	20 min	Lesson plan	Presentation of the lesson plan created by the team from Turcia	PowerPoint Presentation Conversation Brainstorming	Video projector Laptop
15:30	20 min	Lesson plan	Presentation of the lesson plan created by the team from Italia	PowerPoint Presentation Conversation Brainstorming	Video projector Laptop
15:50	20 min	Lesson plan	Presentation of the lesson plan created by the team from România	PowerPoint Presentation Conversation Brainstorming	Video projector Laptop

16:10	40 min	Lesson plan. Evaluation methods	The lesson plans are analyzed. Each plan is corrected and completed. Evaluation methods are presented.	PowerPoint Presentation Conversation Brainstorming	Video projector Laptop
16:50	10 min	Instead of evaluating...	3rd and 4th-day activities overview; congratulation of the trainees for their participation	Conversation	

Ziua 5

Ora	Nr. Minute	Subiect/Tema	Descriere	Metoda	Materiale
9:00	90 min	Fashion show	Students and teachers prepare the presentation of the models made during the week		
10:30	15 min	Break			Coffee break
10:45	60 min	Fashion show	Fashion show for teachers. The teachers are presenting the products that were created this week.		
11:45	75 min	Fashion show	Fashion show for students The students are presenting the products created this week.		
13:00	60 min	Break			Lunch
14:00	60 min	Conclusions	The participants are given questionnaires to determine the effectiveness of the course.		Questionnaires