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| ACTIVITY PLAN | | | | |
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| **THEME** | **SUBTOPIC** | **Activity Title** |
| Creative and Critical Thinking in EcoSTEAM Education | Environmental Art and Expression | Sustainable shopping bag decoration with an environmental theme. |

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| INTRODUCTION PART (OR ACTIVITY OVERVIEW) |
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| **Introduction part (or activity overview)** | To conserve the environment we live in, it is recommended to change our habits and reduce the use of plastic bags. By decorating a fabric shopping bag with an environmental theme, students will understand the connection between nature and humans, discover their essence, beauty, feeling, and find the answer to what sustainable living with nature is. Their creations will convey a certain environmental message to consumers.   * Pictogram - (Latin pictus – painted, drawn + Greek gramma – written sign, stroke, line), a graphic information sign; a small picture on the monitor that marks, for example, a folder, program, and more. * Sustainability - a long-term process aimed at achieving a level of welfare and development that would meet the needs of the current generation without harming future generations. |
| **SETTING** | Technology (textile) classroom. |

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| MATERIALS NEEDED |
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| **Materials Needed** | Computer, internet, textile shopping bags (used or sewn from recycled materials), A4 size paper, pencil, textile markers. |

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| **Learning Outcomes** | * Develop creative and artistic expression skills. * Delve into environmental themes such as recycling, sustainability, and responsible consumption; * Cultivate practical technological decoration skills, which can be useful in their daily lives and future projects. * Understand that the consumption of textile products and the amount of waste generated depend solely on human consumption habits. |  |
| **Activity Contents** | **Activity 1: Decorating a Sustainable Shopping Bag with an Environmental Theme.**  **Theoretical Part** (Duration: 20 min): Introductory Conversation. An invitation to share personal experiences on how many plastic bags their family consumes. Is it possible to reduce their usage? Discussing responsible consumption: rational use of materials (including secondary textile raw materials) in creative works. Problematic questions: Can old become new? What benefit/value is there to creativity in using items that no longer serve their direct purpose?  **Material for the teacher.** As the world becomes increasingly aware of the negative impact of disposable plastic bags on the environment, more people are choosing environmentally friendly alternatives while shopping. By choosing fabric bags, biodegradable packaging, and other environmentally friendly options, consumers can help fight plastic pollution and contribute to a cleaner and healthier world for future generations. Why?   * Fabric bags, made from cotton or canvas, save the environment because they use a minimal amount of waste and chemicals in production, making them a sustainable choice for consumers. * Apart from fabric bags, there are many other environmentally friendly packaging options. For example, some companies use innovative materials such as seaweed or mushrooms to create edible packaging that can be consumed along with the product. * Other companies use biodegradable materials such as corn starch or bamboo to create compostable packaging that can be safely returned to the earth.   Overall, moving towards reusable and sustainable packaging is a positive step in reducing waste and protecting the planet.Read more here https://lt.scecolife.com/news/use-green-bags-to-protect-the-earth-73472614.html  **Task (Duration: 2-3 hours):** Decorating a textile shopping bag with an environmental theme.  Video review. Technique of decorating a textile bag with textile markers (2 minutes).  <https://www.youtube.com/watch?v=UwTCetBAUHI>  After watching the video, the most important decorating rules are emphasized.  STEP 1: Idea search, selection, systematization.   * Searching for pictograms. Using IT to find environmental pictograms related to their chosen theme (e.g., recycling, sustainability, eco-products, ECO, reducing plastic waste). Capturing found pictograms. * Searching, selecting, and systematizing analogs.   STEP 2: Individually create 4 sketches on the chosen theme for decorating fabric bags, using both images and texts (environmental slogans or short message fragments that complement the pictograms).  STEP 3: Discussion and sharing: After creating the sketches, a discussion is organized where students share their creative ideas and explain why they chose specific pictograms or text fragments. This is a great opportunity to express thoughts on the importance of environmental protection and to create sustainable design;  STEP 4: After discussing with the teacher, choose the sketch that best matches the task.  STEP 5: Based on the chosen sketch, draw the design of the discussed size on paper.  STEP 6: Systematically, with quality and resource efficiency, decorate the textile bag with the chosen technique, tidy up the workspace at the end of the lesson.  STEP 7: Calculate the product's cost and compare it with similar products for sale.  Presentation of work, self-assessment. State the value and benefit of the work to the individual, society, and the environment. |  |
| **Assessments** | Assessment and Self-assessment Criteria (Appendix 1) |  |
| **Key Competences** | * Creativity competence * Digital competence * Cognitive competence * Communication competence * Citizenship competence |  |
| **Connections with Eco STEAM** | Eco - Sustainable use of materials, cultivating consumer culture.  Science - The creative process encourages interdisciplinary learning (biology, art, or chemistry).  Technology - Searching for new recycled materials, waste reduction, decoration technology.  Engineering - Emphasizing the importance of a sustainable lifestyle and implementing environmental protection practices in daily life. Creating design sketches, considering technical aspects such as bag size, material selection, and sustainable design.  Art - Sketching with digital tools, decorating the product encourages creativity and self-expression.  Math - Students incorporate mathematical elements into their product design, for example, proportionally harmonizing elements or creating a symmetrical design, calculating the product's cost price. |  |
| **References** | <https://lt.wikipedia.org/wiki/Atliek%C5%B3_tvarkymas>  Green Book II design from secondary materials.  https://kita-forma.lt/leidiniai/  Decorating farbic bags with edding textile markers and pens. <https://www.youtube.com/watch?v=UwTCetBAUHI&t=30s>  https://www.youtube.com/shorts/3OMDcqoaVXc |  |
| **Notes** | A reusable shopping bag can also be decorated with natural dyes. |  |
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| **Appendix 1. Assessment and Self-assessment Criteria** |
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