



Key concept

# Arts and creative skills in STE(A)M

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# CONCEPT: Arts and creative skills in STE(A)M

## 1- BRIEF DESCRIPTION OF THE CONCEPT

Art is taught to students as it can bring creative skills and imagination, usually in visual form. Art can be developed and refined in specific directions like painting, sculpture and more.

During one of the activities students will use natural colours to make their “small piece of art” in order to develop their creativity, broaden perspectives, but also to calm and build sensitivity.

Art refers to permaculture. Creating a permaculture garden requires imagination and creativity, as well as prior planning of the project.

Permaculture is about self-sufficiency. In one of the art activities, children generate natural colours, use ecological materials from recycling, so they learn this self-sufficiency in practice. Gamification System - activities that can be used to make the video: ‘The World of Natural Colours’; ‘Designing a Mandala garden’; ‘PermaculturArt: Making Art with Nature’.

## 2- Activities of the LivingStem project that may be related to this concept

This concept is very well connected to several activities in **the Gamification System** (such as painting T-shirts with natural colours or creating art through nature but also creating the Mandola garden, where creativity and planning are also needed). Below are listed mentioned activities:

- **‘The World of Natural Colours’**
- **‘Designing a Mandala garden’**
  
- **‘PermaculturArt: Making Art with Nature’**

The concept can also be linked to **the ‘Ideal Kitchen Garden Game’** activity - ‘Ideal Kitchen Game’ where students will learn about natural colours from different plants and vegetables during outdoor game in the permaculture garden. Pupils can choose several plants (for example, those they have planted in the permaculture garden) and tell how to create natural colours from them as they will already have knowledge about creating natural colours.

Another option could be to present in front of the camera the natural colours of the cotton T-shirts and a short description of how they were created, with a focus on the natural colours and the concept, what the image represents, what it refers to, why it was painted (here the pupils' creativity and imagination are included).

### **3- Methodology proposal for the implementation of the activity described above**

After activities on creating natural colours and/or after activities on creating art through nature, students can choose one of their works, which they will talk about in a video.

If the group chooses only one "piece of art" to talk about in front of the camera, they can do a short brainstorming to talk about their emotions related to what they see in the picture/t-shirt (for example, whether they like the colours, the vision, what they see in the picture, whether the picture emanates good/bad emotions, etc).

This exercise develops constructive conversation, exchange of opinions on a given topic.

After brainstorming students can write a story idea of the video and then the script, and then create the production schedule.

Additionally, in the film students can refer to the works of art they like, to the artists they admire. The film can be interspersed with photos from the Internet presenting also the famous art the students talk about.

## **4- Children involvement in the activity:**

Pupils will work in a one big group or in small groups (depending on how many of them are in the class). Thanks to the brainstorming they will have the opportunity to express themselves and also listen to other students' ideas. An important part of the preparation for the film will be the students' creativity and sensitivity to art.

Additionally, everyone will be able to talk about their feelings, decide whether they like the art or not.

Children will learn more about each other by talking about their favourite artists and the type of art.

## **5- Links between this concept and science (STEAM) and permaculture:**

The concept 'Arts and creative skills in STE(A)M' is related to science subjects and permaculture. The students will learn through art (through practical activities in creating colours, painting T-shirts, drawing drawings), natural



design (practical activities in creating colours), chemistry (combining colours, creating natural colours) and technology (film-production).

Pupils will develop their humanistic and art skills (creativity, evaluation, art criticism, sensitivity), scientific skills through observation and research as well as some skills in planning, organization, script writing, interpersonal communication, team building. Also, technological skills in media production and using camera/programme to create videos will be developed during this activity.