



Title: Natural colors

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| Aim | Producing colors from food (natural colors), painting and experimenting with them |
| Tools I need | Red cabbage, beetroot, turmeric, black tea, spinach, water, hibiscus tea, mallow flowers, salt, soda, vinegar Blender, kettle, extension cords, sieves, bowls, jugs, glasses, rags Paper, brushes, crayons, pencils, pads |
| Preparations | Buy groceries or have them brought by the children Tools and materials in boxes for group work Instructions for the production of natural colors Recorded experiments for the pupils Divide students into groups |
| What to do | The children read the color recipes. They prepare the colors with the help of the instructions. The pupils paint with the colors on paper. They experiment by sprinkling salt, baking soda, vinegar, hibiscus and mallow flowers on the paint. They observe how the color changes. They share their observations with each other. |
| What I get / results | A collection of pictures with natural colors Experience in dealing with natural materials for color production |

The STEAM approach:

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| S | Search | The pupils choose different colors and ingredients for their pictures. |
| T | Think | The children think about different possibilities of color production. |
| E | Experience | The pupils make the colors by themselves. |
| A | Active learning | The children create their own colors and pictures. |
| M | Motivation | The students are manufacturers of their personal colors. The sheets of paper were later tied together in a color book. |

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| Ressources / Links: | <i>Book: Arendt</i> Entdecke die Farben der Natur Das Werkstattbuch für Kinder Haupt Verlag ISBN 978-3-258-60043-7 |
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