

The Art of Marbling and its Applications in Science Education

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Abstract

The aim of the study is to examine the art of marbling, one of the oldest Turkish arts of paper embroidery performed by creating embroidery by sprinkling insoluble paints on condensed water. Having a key position among the traditional Turkish arts, marbling art is divided into various types according to the masters' use, patterns and its features. Having a new perspective among the modern art movements, Marbling could be applied not only on the paper but also to the surfaces such as book and notebook cover, wood, various fabrics, glass, ceramics, porcelain, leather, wallpaper, scarf and shawl, tie, curtain and felt. When the literature is reviewed regarding applying marbling in education, it has been seen that there are limited number of studies consisting of integration of science and art made in different stages of education and courses. Some studies consisting of marbling art activities have been found for teaching abstracts topics including atomic models of Dalton, Thomson, Rutherford, Bohr as well as modern atomic models, and the structure of atom, liquid and solid materials along with the granular structure of material. The marbling art has been accepted as the World's Common Heritage by being inscribed in UNESCO Intangible Cultural Heritage list as Turkish art.

Keywords: art; marbling art; science education; Turkish art; UNESCO.