

RM@Art - Coloring with minerals

A. Main topics

- Mineral resources awareness
- Alternative usage of minerals and ores

B. targeted audience

- 12-19 years old students

C. Key concepts

- Students get the information about traditional usage of ores and minerals in everyday life
- Students learn about history of non-traditional usage of areas and minerals as pigments
- Students learn about the process of making colors from natural pigments



D. Experimental activity

- Through the experimental activity, the students make their own colors for painting in the traditional way. This is done by grinding the sample (only teacher) and mixing water with grinded mineral pigment and egg yolk to make egg tempera. Afterwards, these colors would be used for painting a picture. Theme of the picture is up to the teacher.

E. Toolkit material

- Mortar and pestle for sample grinding (only teacher toolkit)
- Small rock sample of malachite, azurite, goethite, limonite and coal
- Pre-grinded malachite, azurite, goethite, limonite and coal (coal sample is in small fragments in teacher toolkit so it could be grinded with supplied mortar and pestle)
- Egg(s) (not supplied within the toolkit as they could go bad)

F. RM Tutors

Marko Cvetković marko.cvetkovic@rgn.unizg.hr