

For Teachers

RM@Art

Module 1

Objective: Colouring with minerals

Necessities

List of materials/tools



- Pre-grinded pigments from limonite (yellow ochre), blue (lapis lazuli), malachite (green) and black (coal) – all supplied
- 1 - 2 eggs (not supplied)
- Water (not supplied)
- Linseed oil (supplied)
- Containers for colour mixing (supplied)
- Paintbrush (not supplied)
- Paper (not supplied)

Procedure

- Extract egg yolk from egg white and put it into a separate container
- Mix egg yolk in 1:1 ratio with linseed oil and with approximately 1 tablespoon of water. The base can also be made in larger quantity and distributed to students
- Grind coarse grinded coal and limonite with mortar and pestle to produce fine grained pigment



Mix pigments in separate containers with small amount of previously prepared base for the colour

- Mix thoroughly



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Theme of the picture is left for the teacher to decide



Questions/Quiz

1. Which of these pigments is toxic?

a) Red ochre	d) blue
b) Vermilion red	
c) Black	
2. Orpiment, aside from being used as yellow pigment in ancient times, is an ore of which element?

a) Cadmium	c) Arsenic
b) Molybdenum	d) Copper
3. First usage of colours was dated as far back as:

a) 10,000	d) 135,000 years BC
b) years BC	e) 250,000 years
c) 57,000 years BC	
f) BC	

Answers: 1 b); 2 c); 3 d)

Conclusions

Discuss the origin of pigments