

Didactic Scenario

1. Title

The Magical World of Colors

2. Keywords

Marbling art, harmony of colors, journey of colors on water

3. Basic Information

STEAM Subject: Arts, Science, Technology, Mathematics

Typical interaction time with the instructional scenario in teaching hours for in-school work: 1 week

General description of the scenario: All students are fascinated by the rainbow and its colors. The magical adventure begins when a drop of paint falls on the water and other paint droplets join it. Emphasis will be placed on the scientific content of the dyes. They will become familiar with colors and color mixtures. Each student will be asked to empathize with a color they like. They are asked to go on a magical journey with these paint grains in their dreams. During this journey, they will be asked to explore their dreams, interests and curiosities through fiction.

<u>Phases</u>	<u>Stage</u>	<u>Time</u>
Introduction to Arts	Implementation phase	160'
Art and Mathematics	Implementation phase	40'
Art and Science	Implementation phase	40'

Age group: 7-11 years old

Estimated difficulty level:

Very Easy	Easy	Moderate	Challenging	Very Challenging
		X		

Teaching resources

Material: paint, boat, tragacanth, brush, paper, marbling paints, paint tray, tragacanth comb, napkin and stick

School infrastructure: workshop, interactive whiteboard

Additional material from external sources/online tools:

<https://www.youtube.com/watch?v=COdWaC2Mz0E>

Differentiated Instruction for students of differing abilities and learning styles in the same class: N/A

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4. Educational Problem

Many people say that painting is a talent. It is believed that this ability was passed down from his parents. We don't agree with the part where it's all about talent. Students who think that they do not have this ability do not participate in art activities, although art is in the nature of every individual. Marbling technique is an activity that will break all these prejudices. For this purpose, we have prepared an event for each individual to gain experience in their hobby.

5. Learning Objective (-s)

1. Recognize the art of marbling.
2. Learns and prepares the tools and equipment related to the Marbling art.
3. Learns the working rules and adapts to the rules.
4. He creates his own unique artwork using the marbling technique.

6. Phases of the Scenario

Phase 1

Title: Introduction to Arts

Indoor	Outdoor	Mixed
		X

Phase duration in minutes: 80 + 80 minutes

Detailed description of the scenario phase:

Marbling art; It consists of a magical mixture of the colors in the marbling vessel, the water, and the reflections of the marbling artist's mood. It reflects you back to you, like a magical mirror.

From time to time, wonderful coincidences beyond your control can turn into incredible patterns on the boat, leaving you with a constant feeling of magic.

How is marbling done in school?

Schools are the most suitable places for students who want to learn the art of marbling. Teachers inform their students about this practice in advance. Shows slides and videos. It helps them get to know the art of marbling. The teacher prepares the appropriate work area with his students. Marbling exercises are a fun activity for students that can be easily practiced in schools, gardens, activity centers and at home. Professional artists work in this art in their own workshops and with their own specially produced tools and materials.

Marbling Art



The art of decoration is made by transferring the patterns created on the surface of water concentrated with tragacanth, using special paints, with tools such as brushes, awls and combs, and some special techniques, onto paper; It is called marbling art. There are different techniques used to create many different patterns such as battal marbling, tide marbling, shawl

marbling, sprinkle, nightingale nest, scalloped marbling, ground marbling, light marbling, wavy marbling. There are courses where you can learn all the necessary details about the art of marbling and how to do this art on your own at home. In these courses; You can learn how to apply marbling on paper with authentic materials and techniques, the history and philosophy of marbling, the techniques of marbling masters, the supply and preparation of materials used in marbling, how to deal with the problems you will encounter while doing marbling alone at home or in the workshop you want to open, and all the subtleties of opening your marbling craft on your own. , then you can safely step into the magical world of marbling art to open its doors to you.

How you can do marbling at home?

First of all, you need to fill the marbling vessel with the appropriate amount of tragacanth water you have prepared. Then, the paints taken with the help of your brushes are sprinkled on the boat in layers and the work begins. The endless expansion of patterns created using various tools and techniques and the feelings of the aesthetic sensitivity that this expansion will add to the soul are unique. The encounter of the marbling art performer with his own inner world begins the Gregorian period described as before and after marbling.



<https://www.milliyet.com.tr/emlak/ebru-sanati-nasil-yapilir-65017>

Marbling Art: The most suitable place to do marbling at home

Before you start marbling, you need to prepare a suitable environment for your work. For this, you should choose the most sterile part of the house, where you are sure that dust will not fly in the air. Dust sticking to the surface of the water, paints and brushes to be used in the marbling vessel causes you not to be able to ensure the homogeneity of your work and not to get the quality results you want. Room temperature should be between 20-21 degrees. The position of your desk needs to be adjusted to receive enough light to easily see patterns and colors while you work.

Activity sheets: N/A

Phase 2

Title: Art and Mathematics

Indoor	Outdoor	Mixed
X		

Phase duration in minutes: 40 minutes

Detailed description of the scenario phase:

He makes geometric shapes with paints.
Recognize the concepts of Ratio and Proportion.
Learns the concepts of lt, kg, ml.
Recognizes geometric shapes.

While introducing Marbling materials to students. The shapes of the materials are introduced by showing how many cm they are with the help of a ruler. By showing the width and length, attention is paid to the concept of proportion between the paint tank and the paper. Depending on the size of the boat, the amount of Tragacanth we will use is placed on the boat in lt. The geometric shapes of paint cans are examined. The ml grm grips on the paint can are examined. The amount of tragacanth is prepared in line with the planned measurements. Dyes are dropped into the boat as desired. Students get to know geometric shapes by making original shapes and designs by improvising geometric shapes with the shaping tools they have.



Activity sheets: N/A

Phase 3

Title: Art and Science

Indoor	Outdoor	Mixed
X		

Phase duration in minutes: 40 minutes

Detailed description of the scenario phase:

Observes the buoyancy of water.

Observes the interaction of dyes with liquid.

It creates new colors by the interaction of dyes with each other.



Activity sheets: N/A

7. Evaluation Methodology

APPENDIX:1 Self-Assessment

SELF EVALUATION FORM

EVENT NAME:

Date:.././.....

Student Name Surname:

1. What did I learn in this event?

.....

2. What did I do well?

.....

3. In which subject and why did I have difficulty?

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4. Where did I need help?

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5. In which area should I improve myself?

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6. What are my strengths and weaknesses?

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7. What will I do differently in my future work?

.....

APPENDIX: 2 Peer Evaluation Forms

Your Classmate to Evaluate:.....	Date: .././.....		
Attitudes and Behaviors to be Evaluated	Always	Sometimes	Never
Participation in the event is voluntary.			
She/He always fulfills her duty.			
She/He is respectful of her friends' opinions.			
It collects and presents information from different sources.			
She/He uses positive language when warning her friends.			
Likes to work collaboratively.			
Does not waste materials when using them.			
Is careful and meticulous when using tools and equipment.			
Follows classroom rules.			
Pays attention to own and class safety.			

8. Additional Resources for the teacher

<https://prezi.com/9ghibepsymno/ebru-sanati-sunumu/>



<https://acikders.ankara.edu.tr/mod/resource/view.php?id=34780>