THE EDUCATION FUND

FOR EXCELLENCE IN MIAMI-DADE PUBLIC SCHOOLS

2017-2018

Ideas with IMPACT

idea packet

Sponsored by:

Ford Motor Company Fund

Eco Prints

ECO Prints

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Adapter and Disseminator grants, please contact:
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Goals and Objectives

- Participants will explore eco printing techniques
- Participants will identify a variety of colors
- Participants will experiment with natural materials
- Participants will create botanical prints
- Participants will produce an accordion book
- Participants will compose a poem
- Participants will assess the project

Florida Standards

Visual Arts Standards:

Skills, Techniques, and Processes
VA.5.S.1 / VA.68.S.1 / VA.912.S.1
The arts are inherently experiential and actively engage learners in the processes of creating, interpreting, and responding to art.

Organizational Structure
VA.5.O.1 / VA.68.O.1 / VA.912.O.1
Understanding the organizational structure of an art form provides a foundation for appreciation of artistic works and respect for the creative process.

Historical and Global Connections
VA.5.H.3 / VA.68.H.3 / VA.912.H.3
Connections among the arts and other disciplines strengthen learning and the ability to transfer knowledge and skills to and from other fields.

Innovation, Technology, and the Future
VA.5.F.1.1/ VA.68.F.1.1/ VA.912.F.1.1
Use divergent thinking, abstract reasoning, and various processes to demonstrate imaginative or innovative solutions for art problems.

Science Standards:

Life Science
SC. 5.L.14/ SC.68.L.14/ SC.912.L.14
Organization and Development of Living Organisms

Course Outline

I. ECO Prints
    A. Floral and Vegetal Printing Activity

III. Accordion Book
    A. Book Making Activity

III. Ten Word Poem
    A. Creative Writing Activity

IV. Self Assessment
    A. Reflective Writing Activity

Overview

This workshop serves as an introduction to ECO PRINTS, a natural dyeing PROCESS using plants, flowers, leaves, vegetables, and fruits; cloth or paper; and heat/steam. Participants will create an Eco Print Accordion Book assembling a collection of floral and vegetal prints produced from natural pigments. Eco Printing produces a transfer of natural pigment from the flowers to the paper with the use of steam to form intricate designs and patterns. As a creative writing activity participants will write TEN word poem to include in their books. Participants will explore eco printing techniques, identify a variety of colors, experiment with natural materials, and create botanical prints.

Lesson Plan: Eco Prints

NEXT GENERATION SUNSHINE STATE STANDARDS
Visual Art Lesson Plan Grade: Date:

Lesson:	Media:	Theme:
Eco Prints	Printmaking	Eco Art

Materials:
Large Metal Pot
Water
Small Portable Burner
Paper 6-8 pieces 8" x10" (Watercolor paper, book pages, coffee filters, printmaking paper, etc.)
Plants fresh and flat (Flowers, leaves, vegetables, fruits)
White Vinegar
Newsprint
Cotton Fabric
Strainer
Cotton Twine
Rubber Bands
Tin Cans
Binder Clips
Wooden Spoon
Sticks
Scissors
Apron
Tongs

Objective:
Participants will produce a collection of floral and vegetal prints produced from natural pigments.

Visuals/Resources:
Student Work Samples
Natural Dyes Color Chart

Procedures:
1. Wear apron.
2. Wet cloth/paper thoroughly with vinegar and wring/blot excess with newsprint.
3. Lay cloth/paper on a protected work surface.
4. Place plants, flowers, leaves, vegetables, and fruits on cloth/paper.
5. Roll/fold the cloth/paper around stick, tin can or with binder clips.
6. Wrap with cotton twine or rubber bands into an eco bundle.
7. Steam cloth/paper in large metal pot over simmering water for 20 minutes.
8. Use tongs or wooden spoon to remove eco bundles from strainer.
9. Cut twine or rubber bands with scissors.
10. Unroll eco bundles over a protected work surface.
11. Remove floral and vegetal material.
12. Hang cloth/paper to dry.

Performance Assessment:	NGSSS: Visual Arts Standards:	Base Assessment:	ESOL Strategies:
Observation of product Interview with student Critique Observation of process Self Assessment Portfolio Journals Other	Critical Thinking and Reflection Skills Techniques, and Processes Organizational Structure Historical and Global Connections Innovation Technology, and Future	Vocabulary test Weekly test Unit test Essay Report Other	Visual Clues Model Task Hands-on Activities Cooperative Learning Use Graphs/Charts Other
Art Vocabulary:	Home Learning:	Sketchbook/Journal:	Art Supplies:

Procedure: Eco Prints

Cloth/Paper/Rubber Bands/Twine

Plants, Flowers, Leaves, Vegetables, and Fruits

Plant Material on Cloth/Paper

Eco Bundle

Procedure: Eco Prints

Wrapping around a Tin Can

Folding with Binder Clips/Rubber Bands

Unroll/Unfold Cloth/Paper

Natural Dyes Color Chart

Natural Materials	Dye Color
Cochineal	Bright Red
Strawberries	Red
Cherries	Dark Red
Hibiscus Flowers	Pink
Avocado Skins	Light Pink
Beets	Red Violet
Carrots	Orange
Onion Skins	Light Orange
Eucalyptus Leaves	Orange
Pomegranate	Peachy Yellow
Marigold	Yellow Orange
Dandelion	Yellow
Turmeric	Dark Yellow
Lemon Peels	Light Yellow
Green Tea	Deep Green
Parsley	Green
Artichokes	Light Green
Spinach	Dark Green
Red Cabbage	Blue Violet
Blackberries	Violet
Grapes	Light Violet
Coffee	Dark Brown
Cinnamon	Brown
Black Tea	Grey
Charcoal	Dark Black

Lesson Plan: Accordion Book

NEXT GENERATION SUNSHINE STATE STANDARDS
Visual Art Lesson Plan Grade: Date:

Lesson:	Media:	Theme:
Accordion Book	Book Making	Eco Art

Materials:	Objective:
Eco Prints Decorative Papers Card Stock Papers Bone Folders Glue sticks Scissors	Participants will create an Eco Print Accordion Book.
	Visuals/Resources: Student Work Samples

Procedures:

1. Create six Eco Prints.
2. Arrange prints side by side, overlapping slightly.
3. Select two Decorative Papers, these will serve as endpapers.
4. Place one endpaper next to the first page and other endpaper to the last page.
5. Glue all pages into a continuous sheet.
6. Let dry.
7. Fold continuous sheet into accordion/fan fold alternating between front and back.
8. Select two Card Stock Papers, these will serve as book covers
9. Place book covers on the outside of of accordion folded sheet
10. Glue each end paper to the inside Card Stock Paper.

Performance Assessment:	NGSSS: Visual Arts Standards	Base Assessment	ESOL Strategies:
Observation of product Interview with student Critique Observation of process Selfassessment Portfolio Journals Other	Critical Thinking and Reflection Skills Techniques, and Processes Organizational Structure Historical and Global Connections Innovation Technology, and Future	Vocabulary test Weekly test Unit test Essay Report Other	Visual Clues Model Task Hands-on Activities Cooperative Learning Use Graphs/Charts Other

Art Vocabulary:	Home Learning:	Sketchbook/Journal:	Art Supplies:

Lesson Plan: TEN Words Poem

NEXT GENERATION SUNSHINE STATE STANDARDS
Visual Art Lesson Plan Grade: Date:

Lesson: TEN Word Poem	Media: Creative Writing	Theme: Eco Art	
Materials: TEN Words Poem Pencils		Objective: Participants will compose a TEN Words Poem. Visuals/Resources: Student Work Samples	
Procedures: 1. Brainstorm ideas. 2. List ten words you feel or think when you create art. 3. Select words that describes the botanical imagery in the Eco Prints . 4. Write these ten words throughout the Eco Print Accordion Book.			
Performance Assessment: Observation of product Interview with student Critique Observation of process Selfassessment	NGSSS: Visual Arts Standards Critical Thinking and Reflection Skills Techniques, and Processes Organizational Structure Historical and Global Connections Innovation Technology, and	Base Assessment Vocabulary test Weekly test Unit test Essay Report Other	ESOL Strategies: Visual Clues Model Task Hands-on Activities Cooperative Learning Use Graphs/Charts Other
Art Vocabulary:	Home Learning:	Sketchbook/Journal:	Art Supplies:

Ten Words Poem

Name _____ Date _____

10 **TEN WORDS** List ten words that you feel or think of when you create art.	
1.	6.
2.	7.
3.	8.
4.	9.
5.	10.

Adapted from The Studio Museum in Harlem, New York

Self-Assessment

Name_____ Date _____

1. Describe three things you liked about this learning activity.

2. Explain what part of this activity you would like to learn to do better.

3. Discuss what part of this learning activity was the most difficult.

4. Identify three new ideas, skills or information you learned.

5. State what you would do differently if you could do this project again? Why?

Rubric

Name_____ Date _____

Focus

Create an Eco Print Accordion Book assembling a collection of floral/vegetal prints and TEN word poem exploring eco printing techniques and describing botanical imagery.

Project

(10) _____ Complete: Eco Print Accordion Book

(20) _____ Composition: Prints and Poems assembling a collection

(20) _____ Content: TEN Word Poem describing botanical imagery

(20) _____ Creativity: Floral/Vegetal Prints exploring eco printing techniques

(20) _____ Craftsmanship: Accordion Book and Cover Design

(10) _____ Supplies: Plants/Leaves/Flowers/Fruits/Vegetables

(100) TOTAL

Resource List

Books

1. Eco Colour: Botanical Dyes for Beautiful Textiles by India Flint

2. Harvesting Color: How to Find Plants and Make Natural Dyes by Rebecca Burgess

3. The Handbook of Natural Plant Dyes: Personalize Your Craft with Organic Colors from Acorns, Blackberries, Coffee, and Other Everyday Ingredients by Sasha Duerr

4. Natural Color: Vibrant Plant Dye Projects for Your Home and Wardrobe by Sasha Duerr

5. Gum Leaf Alchemy: Eco-Printing on Cotton by Louise Upshall

6. Learn the Art of Natural Dyeing by Dueep Jyot Singh and John Davidson

7. The Modern Natural Dyer by Kristine Vejar

8. Ancient and Medieval Dyes by William F. Leggett

9. Wild Color by Jenny Dean and Karen Diadick Casselman

10. Indigo Madder, & Marigold: A Portfolio of Colors from Natural Dyes by Trudy Van Stralen

Materials

Jerry's Artarama: Art Supplies and Materials
jerrysartarama.com

Dick Blick Art Materials
dickblick.com

Michael's Art and Craft Materials
michaels.com

Jo-Ann Fabric and Craft Stores
joann.com

Target
target.com

Barnes & Noble
barnesandnoble.com

Supplies

Large Metal Pot
Water
Small Portable Burner
Paper 6-8 pieces 8" x10" (Watercolor paper, book pages, coffee filters, printmaking paper, etc.)
Plants fresh and flat (Flowers, leaves, vegetables, fruits)
White Vinegar
Newsprint
Cotton Fabric
Strainer
Cotton Twine
Rubber Bands
Tin Cans
Binder Clips
Wooden Spoon
Sticks
Scissors
Apron
Tongs

Space/Equipment:
Protected work surface

Supplemental Materials

Organizations:
Dade Art Educators Association
Florida Art Education Association
National Art Education Association

Museums:
Perez Art Museum Miami
Coral Gables Museum
Frost Science Museum

Field Trips:
Fairchild Tropical Botanical Garden
Morikami Japanese Museum and Garden
Miami Science Barge

Speakers:
Veronica Buitron, Natural Dyes Specialist

Students Work Samples

Eco Print #1

Eco Print #2

THE EDUCATION FUND

FOR EXCELLENCE IN MIAMI-DADE PUBLIC SCHOOLS

Apply for an Ideas with IMPACT Adapter Grant!

All Miami-Dade County public school teachers, media specialists, counselors or assistant principals may request funds to implement any project idea, teaching strategy or project from the 2017 Idea EXPO workshops and/or curriculum ideas profiled annually in the ***Ideas with IMPACT*** catalogs from 1990 to the current year, 2017-18. Most catalogs can be viewed on The Education Fund's website at educationfund.org under the heading, "Publications."

- Open to all K-12 M-DCPS teachers, counselors, media specialists
- Quick and easy reporting requirements
- Grants range from $150 - $400
- Grant recipients recognized at an Awards Reception

To apply, you must contact the teacher who developed the idea before submitting your application. Contact can be made by attending a workshop given by the disseminator, communicating via email or telephone, by visiting the disseminator in their classroom, or by having the disseminator visit your classroom.

Project funds are to be spent within the current school year or an extension may be requested. An expense report with receipts is required by Friday, June 1, 2018.

APPLICATION DEADLINE: December 13, 2017

Apply online at educationfund.org

For more information, contact:

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