




*Hello there,
Welcome to*

The Art Science Connection:

*Successes in an Integrated Curriculum
and Collaborative Teaching*

Presented by Mary Jo Allegra, Friends Academy, New York

A watercolor palette with various colors and two brushes in a jar of water are visible in the upper right background.

Integration takes place where there is an *authentic* overlap of goals and objectives for two or more disciplines.

How do we become aware of natural curricular connections?



INTEGRATION TEMPLATE

UNIT NAME:

ESSENTIAL QUESTIONS For Guided Discovery:

(Use this units learning objectives or, Enduring Understandings, to help create guiding questions)

Domain	WEEK #1	WEEK #2	WEEK #3	WEEK #4	WEEK #5	WEEK #6
CULTURAL HISTORY						
LANGUAGE ARTS						
MATH						
ART						
SCIENCE						
SPANISH						
MUSIC						
TECHNOLOGY and LIBRARY						
PHYS. ED						

UNIT REFLECTION

What was successful?

What was not successful? How can we modify next year?

LEARNING EXPERIENCES



Mindful Language

What does it mean to see like an artist?

What does it mean to think like a scientist?



What do you notice?

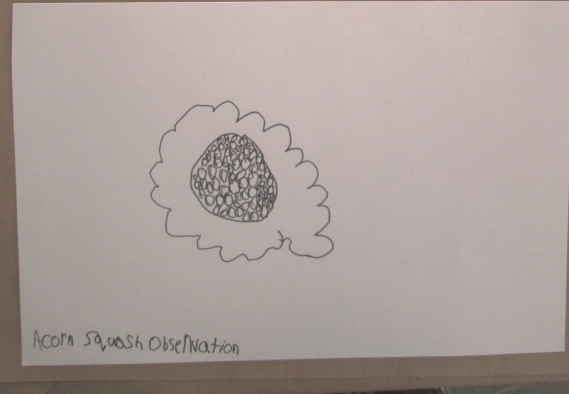
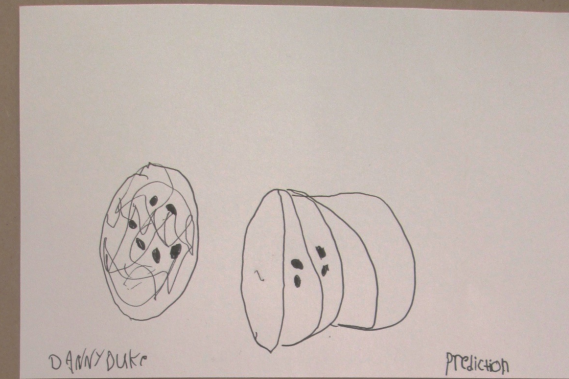
Describe the shapes you see

No such thing as a mistake, just marks we wish to change

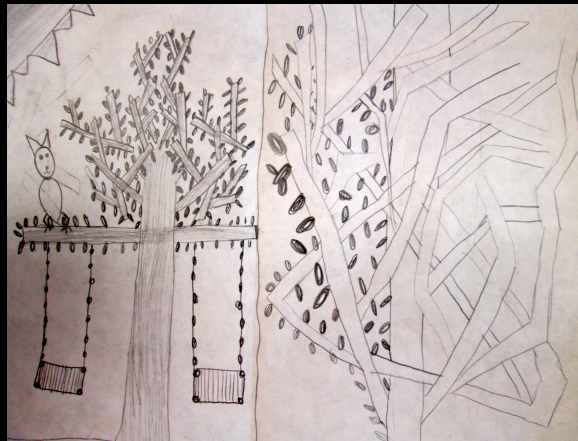
PRACTICE MAKES BETTER

Prediction vs. Observation

Training your brain to see the world as an arrangement of lines and shapes rather than ideas



Real vs. Imagined





Repetition

Composition

Neutral Colors

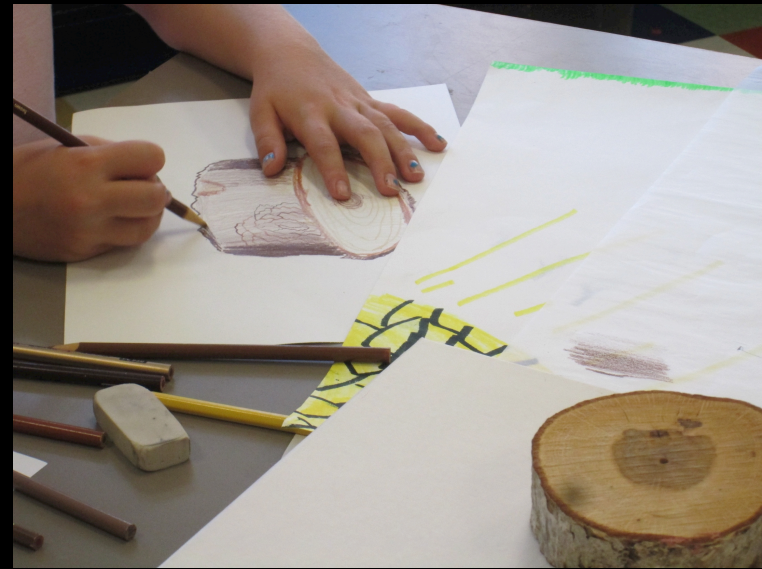
Value

Spontaneity



Tree Study

Students explore drawing 3D cylindrical forms while learning about the parts of the inner tree such as cambium, heartwood, and xylem.



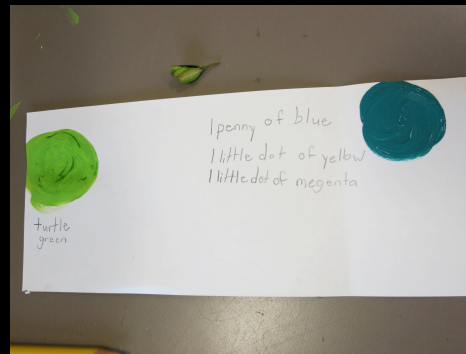
Visual Art, Science, Math, Literacy



Color
specimens
were
collected
outdoors



Color Recipes:
Magic or Science?





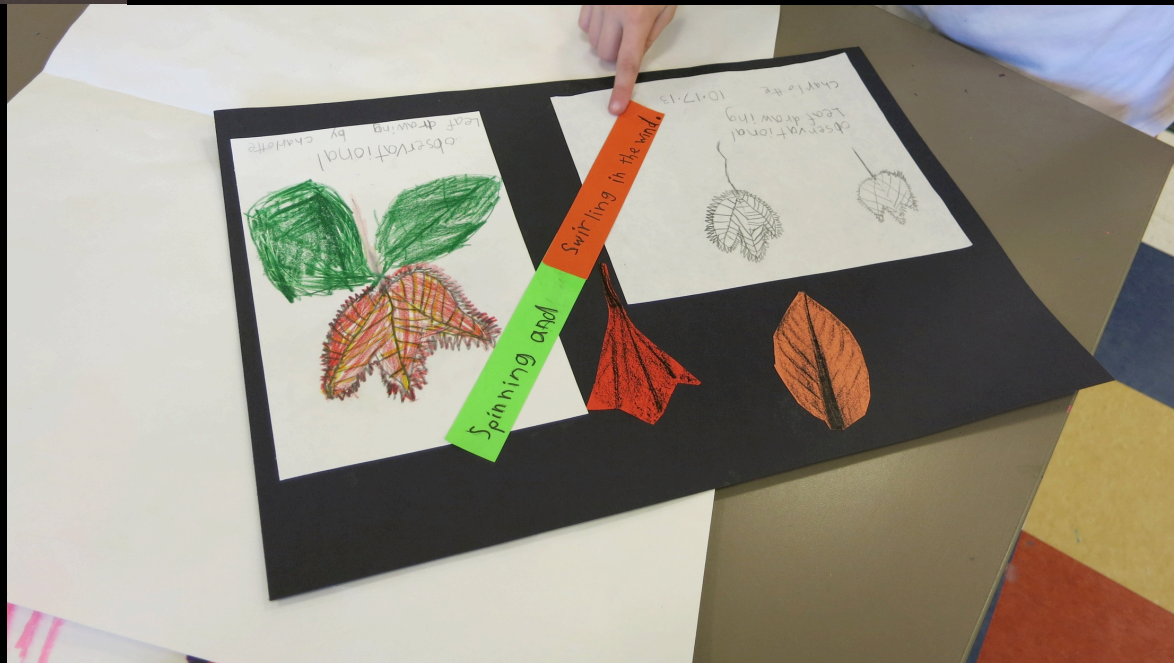
Contour Line Drawings

Leaf Rubbing and Relief Printing

Observations of Autumn

Color Observations

Reflective and
Descriptive Writing





Students create multiple sketches of an object just as a Scientist would when creating a "study".
da Vinci connection

Prehistoric Fossil Study



Faux Fossils & Relief Printing





Book of
Elemental Forces



Art, Science and
Literacy
Integration



Bring the outdoors indoors

The Kindergartners used Sumi ink
to create visual textures
by repeating lines and shapes.

Elements & Principals of Design



Nature is home to *line, shape, color, form, texture...*
the possibilities for visual connections are grand.





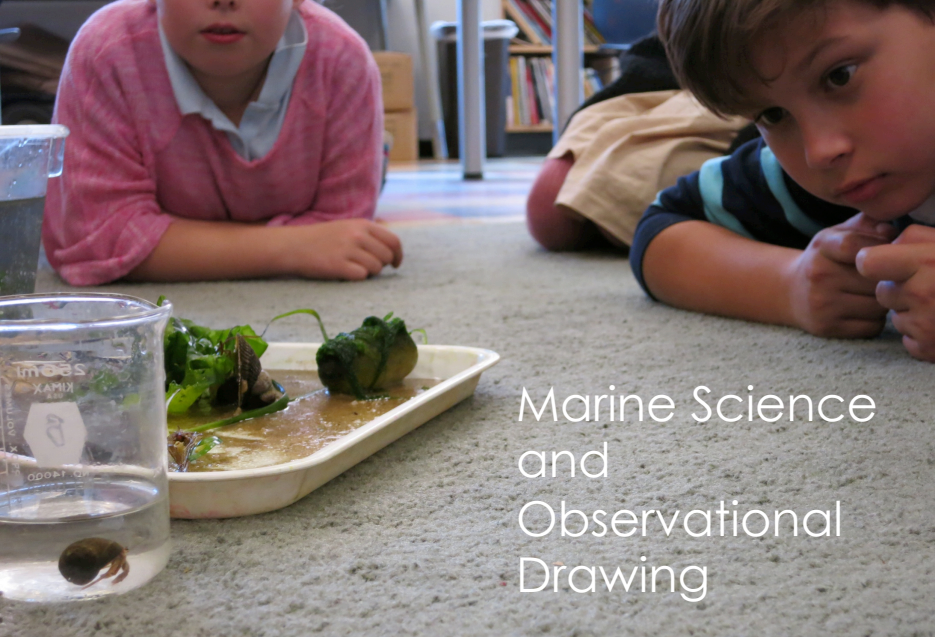
Nature assemblages
form Rangoli as
a celebration of Diwali



Students create an assemblage of their name.



And herbarium press can preserve nature for a variety of creative activities. Use in observational drawing, collage, printing and paper making.



Marine Science
and
Observational
Drawing

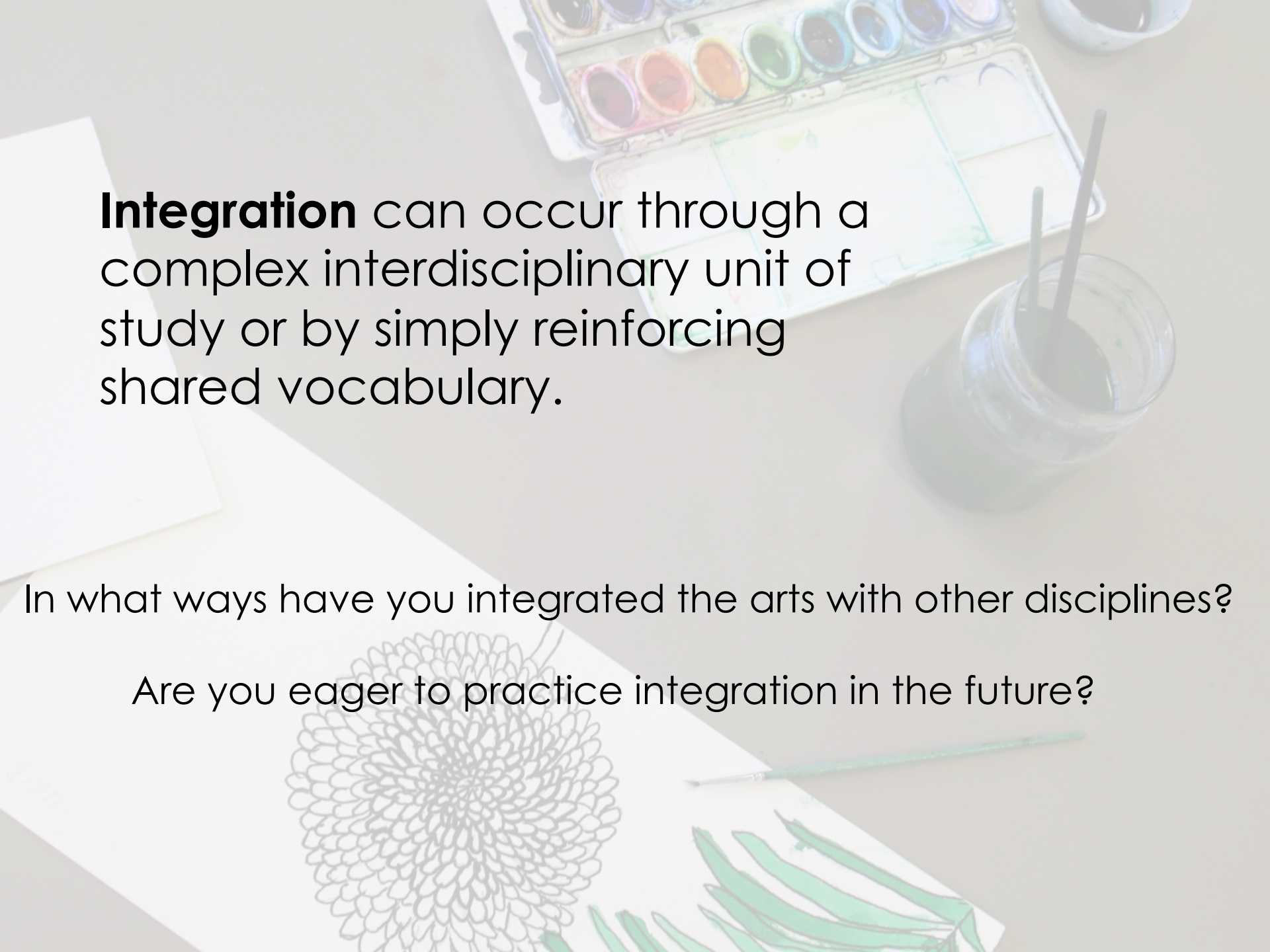


Cornell Cooperative Extension



2nd Grade & 10th Grade
Printmaking Collaboration





Integration can occur through a complex interdisciplinary unit of study or by simply reinforcing shared vocabulary.

In what ways have you integrated the arts with other disciplines?

Are you eager to practice integration in the future?



Thanks for visiting and sharing my passion

If you would like to keep in touch or
If you think of any questions in the future,
contact Mary Jo at:

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For more inspiration and to download a copy of this
presentation visit my blog at:

sunporchstudio.com