

Ideas for Arts Integration for the Secondary Classroom

Idea	Subject(s) integrated with Visual Arts
Teach an abstract painting lesson where the students will be asked to make structures out of play-doh that reference the cells and other internal structures in biology. They will then create a painting using their play-doh structures as the subject.	Biology
The students will look at famous historical portraits and analyze the portraits for what they say about the time period/person. The students will then create a portrait of themselves using the same techniques.	History
Students will be assigned a type of tree which they have to research and then create a unique painting based off of the characteristics of the tree.	Field Botany
Students can study bugs and create realistic representations such as for a science book with colored pencils or oil pastels.	Field Botany
Students and explore and illustrate how organisms might evolve to survive on a warmer planet	Biology
Mimic botanists by collecting and studying plants from the local market and using tools from their biology lab dissect and study these plants for a drawing or sculpture.	Botany
Students have to illustrate a metaphor combining science with something personal such as picturing their family as a solar system.	Physical Science
Teach figure drawing and provide a lesson on the different mathematical ratios or geometric forms that intersect on various planes.	Math
Teach figure drawing and focus on the bones and muscles.	Anatomy
Making colorful glass beads out of non-harmful chemical substances and turning those beads into bracelets or necklaces.	Chemistry
Grow a plant while learning about the plants	Botany

composition, and draw the plant as it grows.	
Students would learn about famous artists through a periodic table like chart.	History
Have the students create their own board game that teaches them about grammar. For example a board game based on Monopoly but with grammar on the cards.	English
Read a book then crochet a character from that book.	English
Write a story after viewing a painting or sculpture about what the students think is happening in the painting or sculpture.	History/English
Make a mini model of the rain cycle.	Science
Students will learn about (recycling, pollution, reducing) by collecting trash by a river or at a park (soda cans, plastic bottles, anything litter) and then color coordinating it into collections. Take a photo of it for art journal or make a sculpture out of it. Then, recycle it.	Environment/Science
Creating graffiti- Students will design a name or word with graffiti lettering using spatial awareness.	Math
Students will collect plants from outside and draw illustrations in journal while studying Botany.	Botany
Students will sculpt and paint planets while learning about the solar system.	Astrology/science
Students choose a building, learn the history of that building and also make the model.	History & Math
Study insects in 17th century drawing. Research winged insects, identify unique characteristics and those common to all insects. Create detailed drawings of wings.	Insect Anatomy & The Scientist as illustrator
Create pinhole cameras to learn how artists manipulate light to make photographs. Use their cameras to capture the architecture of their school or other buildings.	Science of photography
Study an ancient bronze statue, analyze its pose and research the chemical formulas of compounds used to make bronze.	Chemistry
Show photos of The Getty Villa's grounds and gardens.	Language

Look the garden pictures of sculpture and reflecting on its meaning and use. If possible, travel to The Getty.	
Learn Chinese ceramic and the history of ceramic and thrown the bowl or cup.	History
View three works of decorative arts from Europe. Complete the accompanying activities to better understand the Age of Exploration and the Scientific Revolution, and how these “revolutions” and their discoveries influenced the new European world view.	Visual Arts, History, Social Science
The students will make dioramas of different Natural Disasters from History	History
Make a folk art piece to reflect a specific time period in history	History
Have students create shapes out of Origami to learn about dimensions	Math
Using a computer science program called Hatch the students will create an interactive story and illustration	Computer Science
Have students draw an evolution of a chosen animal.	Science
Research a patron in history and design a motif encompassing their character	Social Studies
Write a poem and create new art inspired by the poem	Language Arts
Write on short story and create a sculpture of a character	Writing
Teach proportion principles through the critique process	Math
Students can write a visual journal to learn about innovation and design	Technology
Students will reflect on american history and create a mosaic based on the composition of the american flag	History
Students will understand ratios by gridding and measuring paintings	Math
Students will create drawings of agricultural foods such as fruits and veggies with the roots of the soil explaining the growth cycle	Biology/Science

Students will create a photo collage to represent the geography of a map	Geography
Students will create an informative and creative poster about wildlife and endangered species	Biology
Students will learn about the anatomy of animals and create an artistic representation of an animal's anatomy to demonstrate their understanding	Biology
While teaching a lesson regarding atoms or molecules, sculpt them out of clay for a visual reference so they can study connections and design	Chemistry
When teaching about inertia and friction, have groups build ramps that they can test objects sliding down the ramps to better understand these principles	Physics
Draw a skeleton when learning about human or animal bone structure	Biology
Design future cars or city aesthetics when writing science fiction stories	English
Make kinetic sculptures when learning about movement and gear connection	Physical science
Make paper mache bones of dinosaurs when learning about prehistoric dinosaurs	Science
Make tornado bottles when learning about tornadoes or natural disasters	Science