

Molloy University
Graduate Education

EDU 5900.52 Teaching the Science Behind Art

Mode : Online Asynchronous

July 22nd - 25th

Instructor:

Susan Zaratin

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Course Description:

Have you ever wondered about the rich historical connection between science and art? In our class we will explore the connection between science and art. Leonardo Da Vinci's ability to combine science and art which made him history's most creative genius. Participants will learn about the scientific methods he used to invent and create art, including, anatomy, physics, optics, botany, geology and chemistry. Participants will be able to create lessons and activities coalescing science and art, allowing them to introduce more art and science into their classrooms. Concepts in this course will be tailored to K-12 levels based on the participants curriculum. Activities cover Art Standards K-12 1: Creating 2: Presenting 3: Responding 4: Connecting

Course Learning Objectives:

1. Explore and describe Da Vinci's history.
2. Identify Da Vinci's experiments and application to model creation .
3. Compare Da Vinci's inventions to other inventors in that time.
4. Utilizing basic classroom art supplies for art.
5. Connecting basic shapes and colors to our world.
6. Create an activity or lesson plan including concepts from this course.

Course Grading:

Discussion # 1 Introduction (5pts)

Module # 1 Exploring Da Vinci's history (10pts)

Module # 2 Relationships within science and art. (10pts)

Module # 3 Da Vinci and the human body(10pts)

Discussion # 2 Determine which creation was most beneficial. (5pts)

Module # 4 It started in the caves (10pts)

Module # 5 Create a virtual museum guide (10pts)

Module # 6 Get creative! Everyday classroom supplies for art! (10pts)

Module # 7 Using Earth to make art! (10pts)

Module # 8 Final Project: Create a lesson plan using activities from this course.(20pts)