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Liliana Milkova, Yale University Art Gallery

New thematic issue of UMAC Journal: STEM in the Art Museum: Innovative Pedagogies for the 21st-Century University.

Guest Editors: Liliana Milkova and Jodi Kovach

We are pleased to announce the release of STEM in the Art Museum: Innovative Pedagogies for the 21st-Century University, a special thematic, and first guest-edited issue of the online UMAC Journal. This is the first publication of its kind on integrating art-based pedagogies in STEM education at the university level, and includes contributions from scholars in museum education and STEM disciplines at colleges and universities in the United States and the United Kingdom.

Introduction: STEM in the Art Museum Innovative Pedagogies for the 21st-Century University . Liliana Milkova and Jodi Kovach

 Using Art to Foster Observational Skills in an Introductory Biology Lab Jennifer McMahon and Jodi Kovach

Cultivating STEM Skill Sets with Art and Artifacts:
A Teaching Workshop
Danielle Raad and Gina Marie Hurley

 Death and the Doctor: The Museum as a Tool for Understanding the Needs of the Dying Jim Harris, Ashley Moyse, Gina Hadley, Rachel Lane, Sally Frampton, Ariel Dempsey, Joshua Hordern, Kate Saunders, and Gabriele C. De Luca

4. Teaching Chemistry with Art Bahram Moasser

5. Teaching Neuroscience in the Art Museum Sarah C. Petersen and Jodi Kovach

6. The Messiness of Real-World Data: Using a MuseumDatabase in a Computer Science ClassHannah Wirta Kinney and Cynthia Taylor

7. Arts Research Integration and Collaborative Learning Joey Orr and Daniel Tapia Takaki

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8. Teaching Geosciences with Museum Collections: Curiosity and Connection Jennifer T. Cholnoky

9. The Power of Thinking with Art: Expanding Ideas of Time and Space Meg Urry and Sydney Skelton Simon

10. Interweaving Themes in Physics and Art:A STEM-Museum CollaborationSpencer Smith and Ellen M. Alvord

Why STEM Needs the Arts: A Coda Roksana Filipowska

Please follow the link to access the issue: http://umac.icom.museum/wp-content/uploads/2024/10/UMAC_2024-16_3-FINAL.pdf

Reference:

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