



MATT TUERK
MAYOR

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TO: Michael Hanlon
City Clerk

FROM: Matt Tuerk
Mayor

DATE: November 15, 2024

SUBJECT: Authorities, Boards, Commissions Appointments

Mayor Tuerk has approved the following appointment for City Council's consideration.

<u>Name</u>	<u>Authority/Board/Commission</u>	<u>Term to Expire</u>
Ann Elizabeth Bebout	Arts Commission	1/06/2027

Bebout will replace William Sanders, who has resigned, on the Arts Commission. Bebout will act as a representative of the Da Vinci Science Center and has experience integrating the arts into STEAM education.

Ann Elizabeth Bebout

811 Frank Dr.
Emmaus, PA 18049

610-509-5993
ann@davincisciencecenter.org

Education

B.S., Magna cum laude, Geology, Texas Christian University, 1987

Ph.D., Geology, Rice University, 1993

Dissertation title—The effect of metamorphism on the trace element composition of subducted oceanic crust and sediment

M.Ed. Lehigh University, 2012

Pennsylvania teaching certification in Secondary Earth & Space Science

Professional Experience

October 2024-present **Assistant Director, STEAM Education – Professional Development and Arts Integration**

- Oversee Fab Lab, Mobile Fab Lab and Media Production Studio programs (and 2 full time staff)
- PD and curriculum support for Allentown SD Central Elementary STREAM Academy
- PD for Da Vinci staff and external clients on STEELS/Next Generation Science and STEAM education

2018-2024

Professional Development Program Manager, Da Vinci Science Center

- Trainer of PreK-12 teachers on all aspects of Next Gen and STEAM education
- Coordinator of Professional Development for Arts Educators grant, U.S. Dept of Education (2018-2023)
- Authorized, trained provider of Next Gen Science Exemplar System courses, *Becoming a Next Gen Science Teacher* and *PLANS: Principals Learn and Network to Support 3D Science Learning*
- Chair, selection committee for Da Vinci STEAM Educator Awards

2017-2018

Museum/Outreach Educator, Da Vinci Science Center

1992-2018

Adjunct professor

Muhlenberg College 1994-1995, 2014-2018

Penn State University (Lehigh Valley) 2016-2017

Lafayette College 1992-1994

Kutztown University 1993-2009

Environmental Geology

Introduction to Planet Earth

Introduction to Geology

Optical Mineralogy

Mineralogy

Physical Geology

Igneous & Metamorphic Petrology

Structural Geology

Environmental Geology

Historical Geology

Earth and Life: Origin and Evolution

Marine Science

2012-2014

8th grade science teacher, St. Thomas More School, Allentown, PA

Arts-relevant experience at Da Vinci Science Center

Oversee Da Vinci's new Fab Lab, Mobile Fab Lab, and Media Production Studio in which students will be able to use digital fabrication tools and technologies in collaborative, hands-on learning experiences that foster creativity, critical thinking, and problem-solving skills. Teen and adult community members will also have access to these tools for prototyping entrepreneurial innovations and learning transferrable job skills. The opportunities for making art and expressing creativity in these spaces are **endless** – music and video production, podcasting, 2D and 3D digitally-designed art fabricated with 3D printers, laser cutter/engravers, CNC routers and milling machines – merging the arts, humanities, and sciences in productive ways!

Train teachers and Da Vinci staff on arts-integrated STEM education. I think breaking down barriers between the arts/humanities and science is generally valuable for society, and I would like people to realize that the habits of mind and practices used in these fields are more similar than different. For example, raising questions and solving problems is a central goal in both. Solutions to complex problems cannot be imagined and designed without addressing BOTH technical, scientific aspects AND communicating the significance and meaning for humans.

Coordinated a \$1.2 million grant from the US Dept of Education's Professional Development for Arts Educators program. Three cohorts of art teachers (all from schools where >50% of students are eligible for free/reduced meals) received up to 72 hours of professional development each year for two years, free STEAM student programs from Da Vinci outreach educators, and access to a lending library of 3D printers, laser cutter/engravers, computers, and classroom sets of microcontrollers to be used by their students in their arts standards-based classes to design and create astounding works of art. [3min video in the STEM For All Video Showcase](#)

Served on the mural committees that recommended artists Matt Halm and Carla Majczan for projects at Da Vinci Science Center.

Co-presented a concurrent session (Raise Your Art Rate! Aesthetics, Science, and Wonder in Formal and Informal Learning Settings) at the annual international meeting of the Association of Science and Technology Centers in Charlotte, NC, in Oct 2023

Co-presented a concurrent session (STEM-Integrated Arts: A Discussion With Some "Sciencey" People) at the national Arts Education Partnership Virtual Gathering in Sept 2022. [LINK](#)