

CAREER CONNECTIONS

M A T H & A R T

Interests and Skill Sets

- Shapes and colors
- Designing
- Drawing/Sketching
- Data
- Visual Spatial Reasoning
- Mathematical Reasoning
- Deductive Reasoning
- Logical Reasoning
- Critical Thinking
- Creativity
- Attention to Detail

Jobs

- Web Developer
- GIS Technician
- Sound Engineer
- Artist or Designer
- Interior Designer
- Architect
- Physicist
- Scientific Visualization Specialist
- Animator
- Graphic Designer

Courses and Degree Programs

- 2D & 3D Animation
- Website design
- Physics
- Construction Science
- CAD Design & 3D Modeling
- Maths: Algebra, Geometry, Trigonometry, Calculus
- Video Game Design
- Graphic Design
- Web Design
- Arts: Painting, Drawing, Ceramics, Sculpture
- CNC Laser Design
- Data Science
- GIS Systems
- Art conservation

Writing Prompts

1. Research a favorite artist and give a brief report about their life.
2. Choose a painting or a piece of art and tell a story about the math you see in it.
3. Explain how math is used in the world around you.

Art & Math Activities

[Polygons & Stars with SCRATCH](#)

[Math - Summer of STEM - Spirolateral Math Art and Transforming Ninja Stars](#)

[Pendulum Waves - Science Project](#)

[Teacher Tools - How to make breathtaking art with math using X and Y axis](#)

[Geometric String Art](#)

[How to Make an Agamograph](#)

[Doppler Effect Mandala](#)

Math, Art & Career Videos & Websites

[The Complex Geometry of Islamic Design](#)

[Geometry Hidden In Plain Sight](#)

[Geometry of Architecture](#)

[Maths and Architecture](#)

[Maths in Art](#)

[This Laser Sacred Geometry Artist Uses Lasers to Sculpt his Art](#)

[Mathologer](#) specifically [Times Tables](#), [Mandelbrot](#) and [the Heart of Mathematics](#)

[Why Learning Data Visualization Should be on Every Data Science Aspirant's Radar](#)

[Data Science in 5 minutes](#)

[STEAM Jobs List: 10 Careers that Combine Art and Math](#)