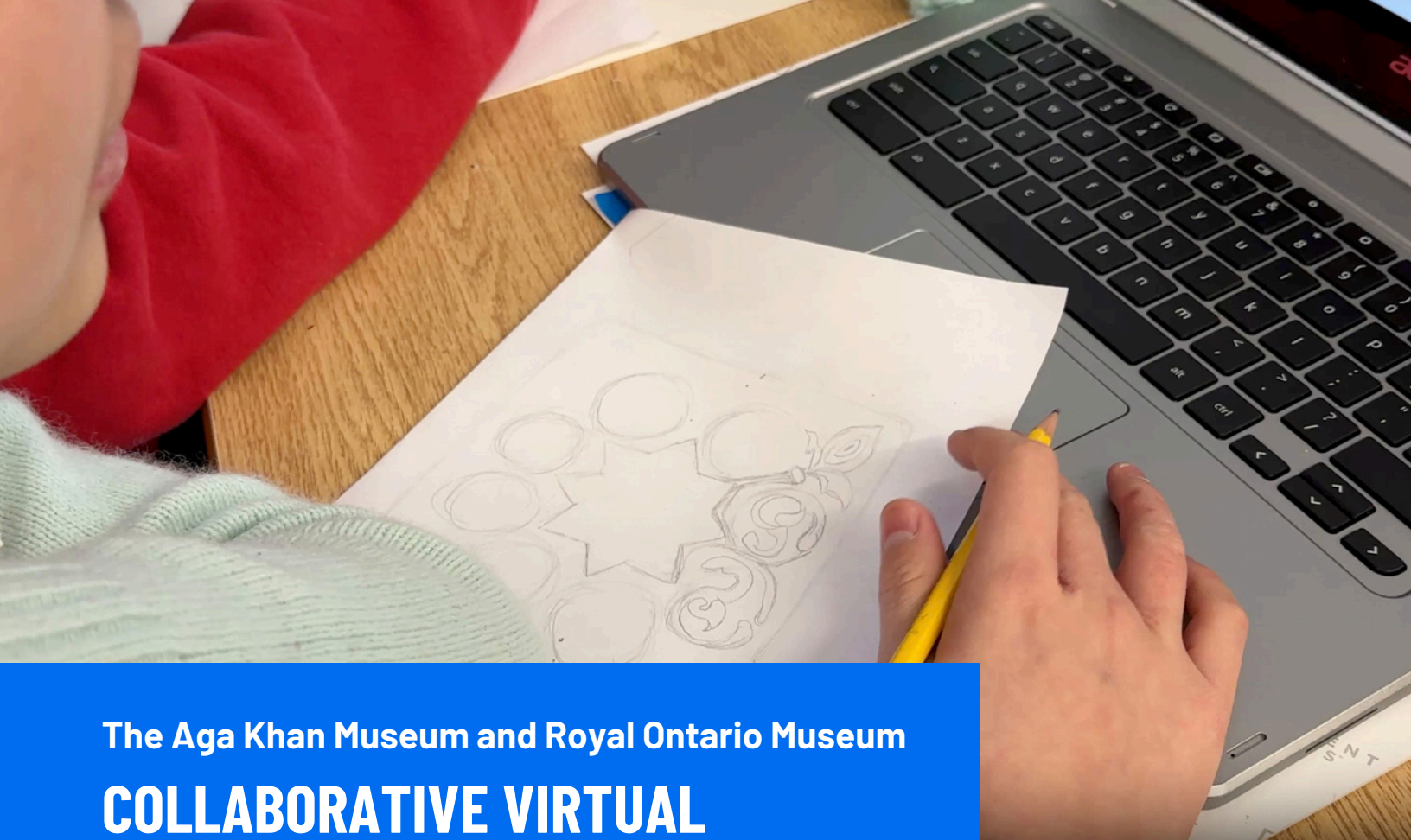




The Aga Khan Museum and Royal Ontario Museum

COLLABORATIVE VIRTUAL SCHOOL PROGRAMS

Title: The Art of Geometry

Date: Nov 17, 2026

Audience: Grades 4–8

Duration: 60 minutes

Time: 10:00 AM – 11:00 PM

Language: English

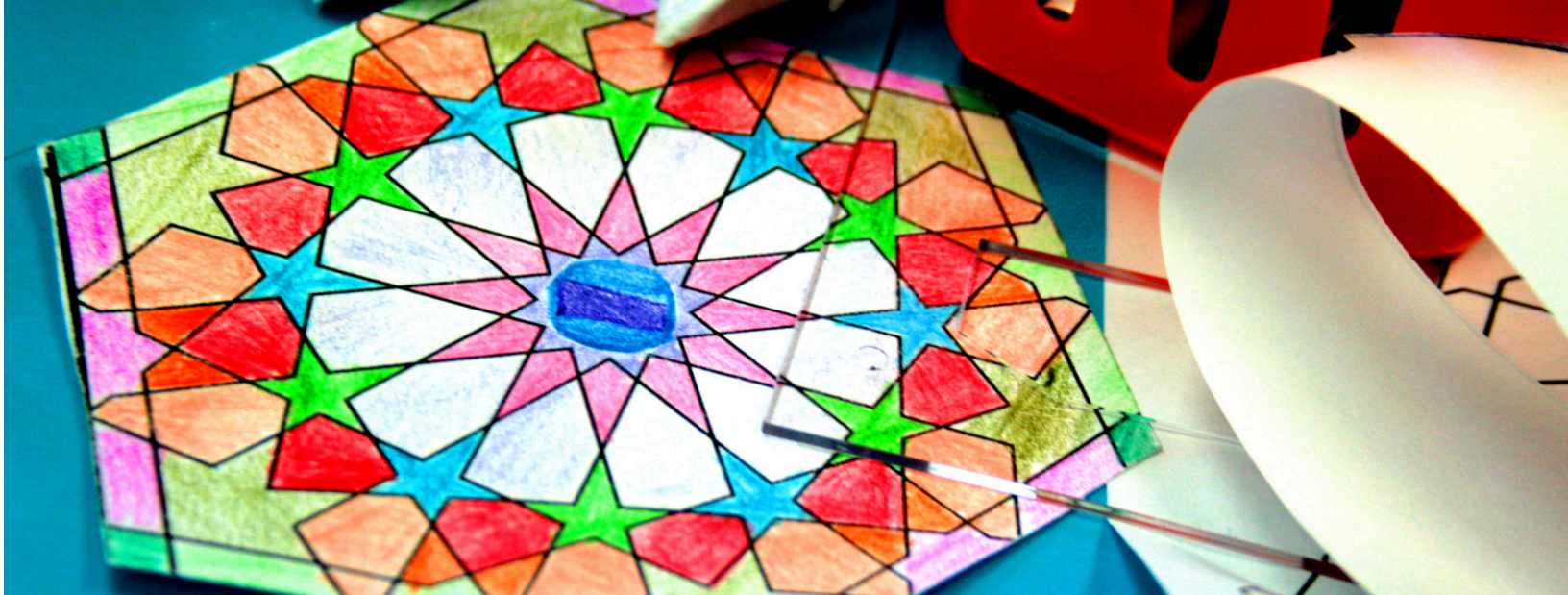
Format: Live virtual & hands-on activity

REGISTER HERE



AGA KHAN MUSEUM

ROM



About this Collaboration

Bring the Aga Khan Museum and the Royal Ontario Museum into your classroom through two engaging live virtual programs designed for students in Grades 4–8.

These collaborative programs invite students to investigate museum objects and belongings, share ideas, and make meaningful connections between cultures, histories, and artistic traditions.

THE ART OF GEOMETRY

Discover the beauty and creativity of geometric design through remarkable works of art from the Aga Khan Museum and the Royal Ontario Museum. Students investigate how artists and makers across cultures have used lines, shapes, symmetry, and repetition to create intricate patterns in architecture, textiles, ceramics, and other works of art.

Through close observation and interactive discussion, students uncover the mathematical ideas behind geometric design before creating their own original geometric pattern inspired by objects and belongings from both museum collections.

Learning Goals

Identify geometric shapes, symmetry, and repeating patterns in works of art from diverse cultures. Analyze how artists use geometry to communicate beauty, meaning, and design. Create an original geometric pattern inspired by objects from the Aga Khan Museum and the Royal Ontario Museum.

Materials

Paper, Pencil, Eraser, Ruler, Compass and, Coloured pencils

Preparation

Registered teachers will receive a printable template before the session. Please print one copy for each student in advance so everyone is ready for the hands-on activity.

REGISTER HERE

CURRICULUM CONNECTIONS

The Art of Geometry

Grade	Subject	Strand	Specific Expectations
4	The Arts	D. Visual Arts D1. Creating and Presenting D3. Exploring Forms and Cultural Contexts	D1.1, D1.3, D1.4 D3.1, D3.2
	Mathematics	C. Algebra – C1. Patterns and Relationships	C1.1, C1.2, C1.3
5	The Arts	D. Visual Arts D1. Creating and Presenting D3. Exploring Forms and Cultural Contexts	D1.1, D1.3, D1.4 D3.1, D3.2
	Mathematics	C. Algebra – C1. Patterns and Relationships	C1.1, C1.3,
6	The Arts	D. Visual Arts D1. Creating and Presenting D3. Exploring Forms and Cultural Contexts	D1.1, D1.3, D1.4, D3.1, D3.2
	Mathematics	C. Algebra – C1. Patterns and Relationships	C1.1, C1.2, C1.3
7	The Arts	D. Visual Arts D1. Creating and Presenting D3. Exploring Forms and Cultural Contexts	D1.1, D1.4, D3.1, D3.2
	Mathematics	C. Algebra – C1. Patterns and Relationships	C1.1, C1.3
8	The Arts	D. Visual Arts D1. Creating and Presenting D3. Exploring Forms and Cultural Contexts	D1.1, D1.4, D3.1, D3.2
	Mathematics	C. Algebra – C1. Patterns and Relationships E. Spatial Sense – E1. Geometric and Spatial Reasoning	C1.1, C1.2, C1.3, E1.1



ABOUT THE AGA KHAN MUSEUM

Mission

Through the arts, the Aga Khan Museum sparks wonder, curiosity, and understanding of Muslim cultures and their connection with other cultures.

Vision

To impact lives and contribute to more inclusive and peaceful societies.

For additional information please visit our website or contact
learn@agakhanmuseum.org



AGA KHAN MUSEUM



ABOUT THE ROM

Opened in 1914, the Royal Ontario Museum showcases art, culture and nature from around the world and across the ages. Among the top 10 cultural institutions in North America, Canada's largest and most comprehensive museum is home to a collection of 18 million artworks, cultural objects and natural history specimens, featured in 40 gallery and exhibition spaces. As the country's preeminent field research institute, ROM plays a vital role in advancing our understanding of the artistic, cultural and natural world. Combining its original heritage architecture with the contemporary Daniel Libeskind-designed Michael Lee-Chin Crystal, ROM serves as a national landmark, and a dynamic cultural destination in the heart of Toronto for all to enjoy.

For additional information please visit our website or contact

www.rom.on.ca/learn

ROM