

Global Citizenship – An Interdisciplinary Approach in Primary School

@GCEducationScot



Tessellation & Islamic Art

Maths focus – Studying tiling and tessellation patterns with 2D shapes.

- Learning context:
 - Consider the use of 2D shapes in tiling examples in our local environments, discussing the types of shapes and properties used.
 - Compare with tiling shapes used in Islamic art in buildings and art work
 - Encourage discussion around the shapes used in Islamic art: stars/leaves/nature
 - Refer to <https://starsinsymmetry.wordpress.com/2011/08/19/study-the-significance-of-stars-in-islamic-art/>
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Mathematics

Having explored a range of 3D objects and 2D shapes, I can use mathematical language to describe their properties, and through investigation can discuss where and why particular shapes are used in the environment.

MTH 2-16a

Literacy

I can spell most of the words I need to communicate, using spelling rules, specialist vocabulary, self-correction techniques and a range of resources.

LIT 2-21a

Health and Wellbeing

As I encounter new challenges and contexts for learning, I am encouraged and supported to demonstrate my ability to select, adapt and apply movement skills and strategies, creatively, accurately and with control.

HWB 2-21a

Expressive Arts

I have the opportunity to choose and explore an extended range of media and technologies to create images and objects, comparing and combining them for specific tasks.

EXA 2-02a

Learning Context**Mathematics:**
Tessellation**Global Citizenship Focus:**
DiversityICT and Technologies

I can create, capture and manipulate sounds, text and images to communicate experiences, ideas and information in creative and engaging ways.

TCH 2-04b

Social Studies

I can discuss issues of the diversity of cultures, values and customs in our society.

SOC 2-16c

Religious and Moral Education

I am increasing my knowledge and understanding of different forms of worship and artefacts within world religions and can explain their importance for followers of world religions.

RME 2-06a

Sustainable Development Goals

SDG 10: Reducing inequalities

Focus for Assessment

SAY: Identify the 2D shapes and their properties used in patterns of tessellation in our local environment.

MAKE: Draw a tessellation pattern using 2D geometric shapes used in Islamic art.

WRITE: Write a description of a building that is decorated with Islamic geometric designs using the correct mathematical vocabulary.

DO: Use ICT to prepare a presentation of examples of tessellation in architecture around the world.

*Work in teams to design a game in PE, in which the aim is to form tessellation patterns with our bodies.