

ARTISTS AND SCIENTISTS VIEW THE
WORLD IN QUITE DIFFERENT WAYS.

Nevertheless, they are united in a search for hidden order beneath surface appearances. The quest for eternal geometrical designs is also seen in the sacred mathematical patterns created by the world's great religions. Tibetan monks fashion chalk mandalas representing the emergence of order in the universe. Moslem architects wrap their buildings in elaborate abstract tessellating designs.

Celestial Tapestry places mathematics within a vibrant cultural and historical context. Threads are woven together telling of surprising influences that pass between the arts and mathematics.

The story involves intriguing characters: the soldier who laid the foundations for fractals and computer art while recovering in hospital after suffering serious injury in the First World War; the mathematician imprisoned for bigamy whose books had a huge influence on twentieth-century art; the pioneer clockmaker who suffered from leprosy; the Victorian housewife who amazed mathematicians with her intuition for higher-dimensional space.

CELESTIAL TAPESTRY

The Warp and Weft of Art and Mathematics

Nicholas Mee

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