



EXHIBITION ZONE DESCRIPTIONS

LIBRARY OF SECRETS

This internationally acclaimed award-winning educational film, starring Oscar winner Sir Ben Kingsley, introduces the exhibition to visitors. Three school children visit a dusty library to research the story of "The Dark Ages". What they find dramatically changes their worldview as ingenious inventors and pioneers of science and technology are vividly brought to life.

This astounding movie has won more than 20 international awards including "Best Film" recognition in London, Los Angeles and Cannes as well as at the New York Festival.

ENGINEERING ZONE

Invention and innovation is central to the Engineering Zone, which introduces our guests to Master Engineer Al-Jazari, inventor of the fabled Elephant Clock and numerous mechanisms that are used in every machine on the planet today.

Computer game stations introduce visitors to the Muslim world's impact on the modern home, and mechanical reproductions explain how the power of wind and water was harnessed to launch an agricultural revolution.

HOSPITAL ZONE

Discover how Andalusian physician Al-Zahrawi invented hundreds of surgical instruments and procedures more than a thousand years ago that are still saving lives in our modern hospitals. Experience the thrill of an Operating Theatre as medical geniuses of the past guide you through surgical procedures. Meet Lady Montague, who introduced the Muslim world's inoculation techniques to the West.



ABBAS IBN FIRNAS

SPECIAL FEATURE

9th Century Flight

WORLD ZONE

Meet Chinese Admiral Zheng He, a Muslim adventurer whose voyages across the seas made him a hero to his people. The nautical theme continues in our modern wind tunnel simulator where you can test the efficiency of different sail designs. Visitors are also introduced to the advances in cartography that took place during the Golden Age of Muslim civilization as they navigate the globe on a touch screen display.

UNIVERSE ZONE

Discover the global heritage of star-gazing, and the development of sophisticated astronomical equipment by pioneers like Merriam Al-Ijliya, the master astrolabe-maker. Soar over the Bosphorus

strait with 'Rocket Man' Hasan Celebi. Explore the craters on the moon to uncover their connections to Muslim civilisation. Enter our interactive mini-planetarium and learn the names of constellations in both Greek and Arabic.

SCHOOL ZONE

Discover Baghdad's illustrious educational academy, The House of Wisdom, where the world's leading minds absorbed and built upon the knowledge of ancient civilisations. Learn about the connections between the Arabic and English language. Meet Fatima Al-Fihri, the young woman who founded the world's first modern University, which offered free education to men and women of all backgrounds.



NUMBER CRUNCHING

SCHOOL ZONE

Arabic Numerals

IBN AL-HAYTHAM ZONE

Meet Ibn Al-Haytham, the first true scientist, who was also first to explain how our eyes work. Explore a giant camera obscura, to learn how Ibn Al-Haytham laid the foundations for modern photography and film-making. Hear the amazing story of how Ibn Al-Haytham's greatest failure led to his eventual triumphs and changed the very nature of scientific enquiry.

For more information please visit
www.1001inventions.com