Youth aL.I.V.E.

(Learning Islamic Values Everyday)

Islamic Civilisation Primer Series

Session 2 - Deep Impact
13 January 2007
Deep Impact Programme

1. Recap of Session 1: Contact & Connect (5 min)
2. Link it to Session 2 – Deep Impact (Expectation Setting) (5 min)

3. Impact 1: Islam & Art (10 min)
4. Activity 1 PicArt (20 min)
5. Presentation of PicArt (15 min)

7. Video Session – Part I (15 mins)

8. Sociology Coffee Break – (40 min)

9. Impact 3: Islam & Music (10 min)
10. Impact 4: Islam & Science (10 min)

11. Video Session – Part II (15 min)
12. Reflections (5 min)
13. Briefing on Project work (10 min)
Revisiting Session 1:
“Contact & Connect”
Case Study

- Art
- Architecture
- Music
- Science
Case Study - Art

Arabesque – Geometric and floral patterns

- Non human/animal forms
- Designs encourage deep thoughts and spiritual contemplation
- Abstract,
- Fitted into mosque
- Creative and freed imagination
Topkapi Scroll

- 114 individual geometric patterns for wall surface
- 15\(^{th}\) – 16\(^{th}\) C
Case Study - Art

King Henry VII – famous knot design followed arabesque patterns
Case Study - Art

- Calligraphy
  - Art of writing beautiful flowing text, in remembrance of God
  - Illustrates the Quran
  - Developed independently
Case Study - Art

- Kufic, Kufa Iraq
- Naskh – Ibn Muqlah
- Diwani - Uthmaniah
- Thuluth – Ummayyah
- Farsi - Persian
- Riq’a – Naskh + Thuluth
Case Study - Art

From Reed Pen to Fountain Pen
Pic Art
Case Study - Architecture

- Values
- Arches
  - Hold huge weights
  - ‘the arch never sleeps’
  - Imitation of palm trees
- Vaults
  - Stone arch that makes a canopy or ceiling
  - Originated by Romans, refined by Muslims
- Dome
  - 3-D arch
  - Represents the vault of heaven
  - Interior lighting
Case Study - Architecture

- Ideas of Allah’s infinite power repeated
- Space and Majestic power
Case Study - Architecture
Arches

- Hold huge weights
- ‘the arch never sleeps’
- Imitation of palm trees
Case Study – Arch Architecture

Church of Cristo de la Luz, Toledo, Spain, 10th century – Bab Mardum mosque

St Andrew’s Cathedral
Vaults

- Stone arch that makes a canopy or ceiling
- Originated by Romans, refined by Muslims
Case Study – Vault Architecture

Murqana vault at Lotfollah Mosque, Isfahan

Dome of the Rock Ceiling

Ceiling Westminster Abbey, London
Dome

- 3-D arch
- Represents the vault of heaven
- Interior lighting
Case Study – Dome Architecture

Dome of the Rock - 691 CE

St Basil’s cathedral, Russia 1555 CE

Singapore Supreme Court - 1939
Case Study - Architecture

Rose Window in Durham cathedral, UK.

Khirbat al-Mafjar, in Ummayah Palace, Jordan, 740-750 CE
Now Showing

Architecture in Islam
Case Study - Music

- Islam doesn’t forbid all types of music – only those which lead to improper behaviour
- Scale – do re mi fa so la ti
- Instruments – ‘Ud, Rababah
- The great book of music
Musical Notes?

- Do – د
- Re – ر
- Mi – م
- Fa – ف

- So – ص
- La – ل
- Ti – س

Al-Kindi in the 9th century
Music – ‘Ud (lute)

Lute – 8th CE

Guitar
More Musical Instruments

Rababah – 10th CE

Rebab

Violin – 16th CE
Kitab Al-Musiqa Al-Kabir

- Theory of Music
- Translated to Hebrew and Latin
- Focused on the lute – string instrument

Al-Farabi

http://www.chrysalis-foundation.org/Al-Farabi-s_Uds.htm
Case Study - Science

- Learning Science was a culture
- Theories and Instruments
- Astronomy, Chemistry, Physics, Mathematics
Identify as many instruments as you can.
Abdul Rahman Al-Sufi (Azophi)

- 903-986
- Corrected Ptolemy Star list
- First recorded Andromeda Galaxy - 964
- Book of fixed stars
- Magnitude of stars
Ibn Yunus

- Egyptian astronomer
- b 950
- Atmospheric refraction of the Sun
- Invented pendulum
- Trigonometric identity
Mathematics Revisited

\[ \cos(a) \cos(b) = \frac{1}{2} [\cos(a + b) + \cos(a - b)] \]
Abu Bakr Muhammad ibn Zakariya Al-Razi

- 865-925 CE
- First described smallpox – acknowledged by Encyclopedia Britannica
- Allergic Asthma
- The virtuous Life/The large comprehensive/ Al-Hawi – greatest medical doctor
Instruments and Inventions
Now Showing

Islam and Science
Reflections
Surah Al-Alaq (1-4)

Proclaim! (or read!) in the name of thy Lord and Cherisher, Who created-

Created man, out of a (mere) clot of congealed blood:

Proclaim! And thy Lord is Most Bountiful,-

He Who taught (the use of) the pen,-
Surah Ad-Dukhaan
Project Work