



Complete Report

The Timeline for Curriculum Enrichment is a research-oriented initiative by the Foundation for Science Technology and Civilisation (FSTC), in collaboration with Dar Al-Hekma College (DAH) in Jeddah, Saudi Arabia, and in affiliation with the University of Manchester, University College London, and London Southbank University.

FSTC is a United Kingdom based educational non-profit institutions which was formed to popularise, disseminate and promote an accurate account of Muslim Heritage and its contribution to present day science, technology and civilisation. The main challenge is to uncover 1000 years of history hidden from the minds of people and especially from the schools' syllabuses. These 1000 years are sometimes referred to as the Dark Ages or Medieval Ages. In reality it is the time when Muslim civilisation shone over the entire world with knowledge, science and technology, a period which triggered and enriched the European Renaissance. FSTC produces websites, exhibitions, publications, conferences and teacher training seminars on the subject. An example of this is the recently produced 1001inventions book, exhibition, posters and teachers' pack, the www.MuslimHeritage.com website and the www.1001inventions.com website.

As part of its mission to disseminate and promote these accounts of Muslim Heritage, the Foundation has offered to train students from Dar Al-Hekma in research methods and timeline development, in order to participate in the production of information to serve its mission. The FSTC-DAH Summer Time-Line Program will bring the world-class expertise, resources, and long-standing experience of the FSTC in training participants to bear in creating a program tailored to the needs and goals of both FSTC and Dar Al-Hekma students.

There are several objectives to the program:

- 1) To build upon the unique attributes and expertise of the participating institutions to develop an innovative program of study that will prepare students for the demands of an increasingly knowledge orientated world, and promote the professional training gained by participating in the program, on the true history of the Muslim Heritage in Science, Technology and Arts, heretofore unknown to the public, schools and media sources.
- 2) The Program's multidisciplinary approach imparts a nuanced understanding of history and heritage behind the political, economic, cultural, and technological innovations and the ideas that continue to help shape the world today. As part of this approach, the program incorporates workshops, training and subject seminars and field trips to museums and other locations to move beyond the academic understanding of the classroom into the practical day-to-day skills and cultural competence that historical knowledge demands. These workshops include trainings in: the origins of our known school subjects, film editing, newsletter production and publication, public speaking, giving presentations and leading seminars, and research skills in both internet and non-internet sources. The training exercises allow participants to interact with academicians, experience firsthand the actual functioning of a non-profit organization and universities to test their recently acquired classroom knowledge to a real world setting.
- 3) A certificate of training will be granted upon successful completion.



Program Brief

In July, FSTC hosted 7 Saudi female students of varying ages and backgrounds to undertake an intensive three-week course in the development of historical timelines of academic subjects, and to research valuable Muslim contributions to the growth of science and technology as we know it today. These subjects were Islamic Science and Technology, Mathematics and Astronomy, Physics and Mechanics, Medicine and Life Sciences, Social Sciences and Architecture.

The students arrived on Monday 21st July to Manchester, where they were housed in Clydesdale House, the same building that houses FSTC headquarters. While in Manchester the students attended a multitude of seminars and talks given by participating scholars from the University of Manchester, University of York and FSTC. Lecture topics varied from Environment and Science in Muslim Heritage, to Animal Welfare in Muslim Civilisation, to International Marketing and Curriculum Enrichment in the UK. Students also learned about the process of transforming a manuscript into 3D animation, while also visiting the numerous relevant libraries and museums in Manchester.

On August 2nd, the students moved on to London where they were housed in one of the University College London housing facilities in Central London. While there, students met and learnt from participating scholars on astronomy in Islam, architecture in Islam, ecology and environment in Islamic Society and Mathematics in Muslim Heritage. They were given special tours of UCL museum collections, and visited several other museums, notably the Tate Modern, Petrie Museum of Egyptology, British Library and British Museum, the Victoria and Albert Museum, and the Science Museum. The students also visited the studios of BBC London, where they were given a private tour and were allowed to attend a show-taping, which imparted a first-hand view of broadcasting techniques and situations.

The students were required to learn how to use Concept DrawPRO and VISIO, well-known and popular business graphics and diagramming applications for Windows and Macintosh, to help them to develop their research into high quality professional graphic documents, drawings and diagrams that will allow its use on the Muslim Heritage Website in the future.

The summer program culminated with formal student presentations on the last working day, August 8th, which are given by the assigned teams on each topic, which detail their thoughts and plans for the future development and progress of the tasks. The students received certificates of training for the interim, with FSTC's appreciation for their high enthusiasm and passion to promote Islamic Heritage. The interactive timelines are to be delivered within six months of the program, and FSTC will be consistently supporting the students during this time as they work towards their goals.



LIST OF SPEAKERS ON THE PROGRAM

| Name of Speaker | Title of Lecture | Affiliation |
|--------------------------|--|--------------------|
| Prof. Salim Al-Hassani | General Strategic Aspects of MH | FSTC |
| | Women in MH: Science and Technology | |
| | Environmental Achievements in MH | |
| | Sports in MH | |
| | Arts and Math in MH | |
| | Interactive Tutorials | |
| Prof. Mohammad Abbatouy | Various tutorials on timelines given via internet | FSTC |
| Dr. Salim Ayduz | Science during Ottomans | University of York |
| | Science during Ottomans | |
| | Science during Ottomans | |
| | Tour on History of Science & Industry | |
| | Science during Ottomans | |
| Dr. Savas Kunar/ Amar | DataBase and Structure of MH.com | U. Manchester |
| Mr. Cem Nizamoglu | Animal Welfare in Muslim Civilisation | |
| Prof. Mohammad El Gomati | Physics in Muslim Heritage | U. Manchester |
| Dr. Dalia Mustapha | Tour of the School of Eastern Studies | U. Manchester |
| Dr. Ibrahim Abosag | International Marketing and Women in business | FSTC |
| Mr. Ian Fenn | Curriculum Enrichment Programme in the UK | UCL |
| Mr. Abdul Qader | From Manuscripts to 3D Animation | |
| Dr. Subhi Azzawi | Architecture in Muslim civilisation | Imperial |
| Dr. Rim Turkumani | Astronomy in Islam | LSBU |
| Dr. Anna Maria Brennan | Islam and the Seeds of Change | Kings College |
| Dr. Mahbub Gani | Mathematics in Muslim Heritage | UCL |
| Ms. Carolyn Perry | British Library- British Museum- V&A- Science- Petrie- | |



SPEAKER IMPRESSIONS ON THE STUDENTS

"It was a great delight seeing these ladies participate in such a strategic project. Bringing to life of Muslim Heritage and in particular, the inventions by great Muslim men and women, will generate respect by non-Muslims and will enthuse young Muslims to engage in improving the quality of life in their societies and the rest of the world. *Professor Salim Al-Hassani, FSTC*

"I was very impressed with the level of knowledge the students have in various subjects, the decency, interactivity and questions they have asked revealed a sound and promising back ground for a bright future Saudi Academics and leaders in their field" - *Dr. Waleed El-Shobaki , University of Manchester*

"They were very responsive and kept making comments and asking questions during the talk which I very much enjoyed. They are young, bright and want to make a change for the better; I wish them all the best."- *Dr. Rim Turkmani, Imperial College*

"It was a pleasure to give such a lecture (Fi Sabeel Allah and for the cause of Islam) to the rising generation of educated, young Muslim women who were so eager to learn about their Islamic Cultural Heritage."- *Dr. Subhi Azzawi, University College London*

"I was extremely impressed at their high level of skills in IT and design - as well as their irrepressible enthusiasm. They are truly a credit to their College, their tutors and their country. They are destined to go far!"- *Dr. Anna Maria Brennan, London Southbank University*

"Excellent ambassadors for Saudi Arabia and Islam, their parents should be congratulated for their upbringing. They are hard working, diligent, well-mannered and enthusiastic. Their interest in the subject of Muslim Heritage in our world is noticeable and impressive." - *Professor M. El-Gomati, University of York*



PHOTOGRAPHS

