

Islamic Achievements

Standard 7.2.6 Understand the intellectual exchanges among Muslim scholars of Eurasia and Africa and the contributions Muslim scholars made to later civilizations in the areas of science, geography, mathematics, philosophy, medicine, art, and literature.

Handouts:

1001 Inventions Film Worksheet

Link to film:

<http://www.1001inventions.com/media/video/library>

or on Youtube

<http://www.youtube.com/watch?v=JZDe9DCx7Wk>

Either before the section on Muslim contributions or after, show the 13 minute film “1001 Inventions.” Have students fill out the worksheet as they watch (the answers are on the bottom of the page, you may want to cover that when making copies so it isn’t visible on the student version of the worksheet).

1001 INVENTIONS AND THE LIBRARY OF SECRETS

I am the star of this film. What do you think of my performance? Here are five questions based on the film. Some answers you can simply get from the film and these are right and wrong. Others demand some thought and there is no right answer, just speculation.

- 1 What did **Abbas ibn Firnas** forget when he tried to fly?
Any ideas as to why this was so important for successful flying?

- 2 What material do we use in hospital that was developed by **Al-Zahrawi** when we need stitches?

- 3 What was my greatest invention?
Why do you think I was so proud of it?

- 4 Why do you think the boy said it was a United Nations clock?



Answer
1. A tail fin - useful for landing 2. Catgut 3. The combination of the crank wheel, connecting rod and piston system which converts rotational motion to linear - crucial to pumps and engines. 4. Because it contained representations of so many different cultures.