


Lesson Plan | Mariam Al-Asturlabi

Agenda	Action
Do Now	Students will predict the function and form of an astrolabe and share their responses.
Read Aloud	The class will take turns reading the paragraphs summarizing Mariam's life on the website out loud.
Watch Video	Instructor will play video on Mariam Al-Asturlabi for class and answer any questions afterward.
Presentation	The instructor will briefly present slides discussing the life and contributions of Mariam Al-Asturlabi to astrolabe construction and design.
Interactive	<p>Students will engage with the interactive astrolabe on the website. They will learn and interact with the main components of the astrolabe, including the mater, index, rete, ecliptic, tympanum, and azimuth/elevation lines. Students will set their latitude on the astrolabe and subsequently determine the time of the day using the altitude of a simulated bright star.</p> 
Discussion	Students will discuss the life and contributions of Mariam Al-Asturlabi and how it has paved the way for modern instruments such as the GPS, the clock, and the telescope. Students will also discuss how Mariam's story and contribution has possibly influenced them.