

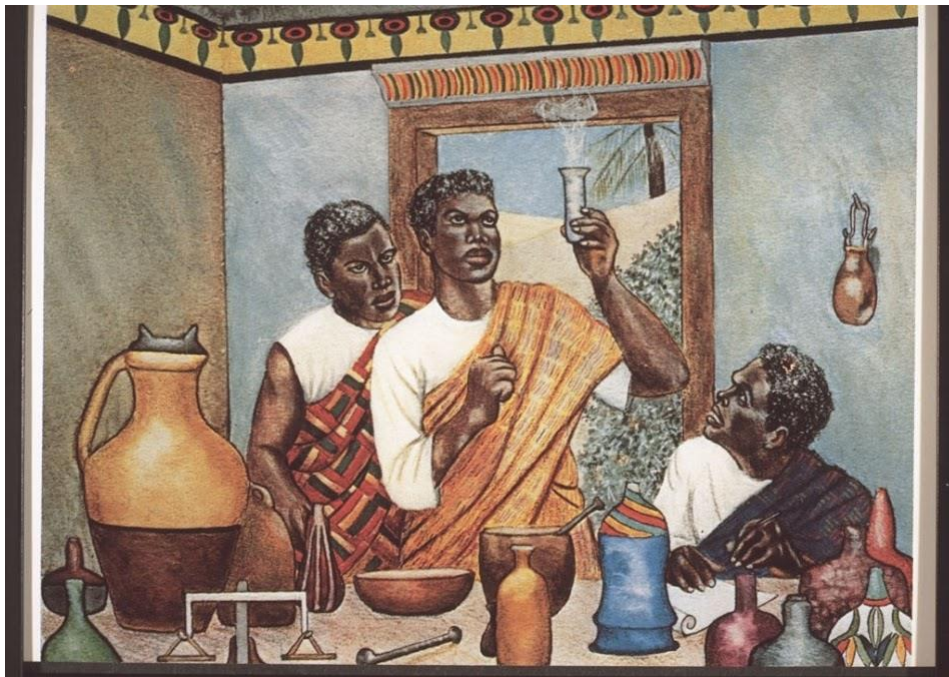
# SPACE for NATIONAL DEVELOPMENT

Astronomy, Science,  
Space and  
Technology in  
Ancient Africa /  
Astronomy, Space  
and Technology in  
Current Africa /  
Astronomy, Space  
and Technology in  
Future Africa

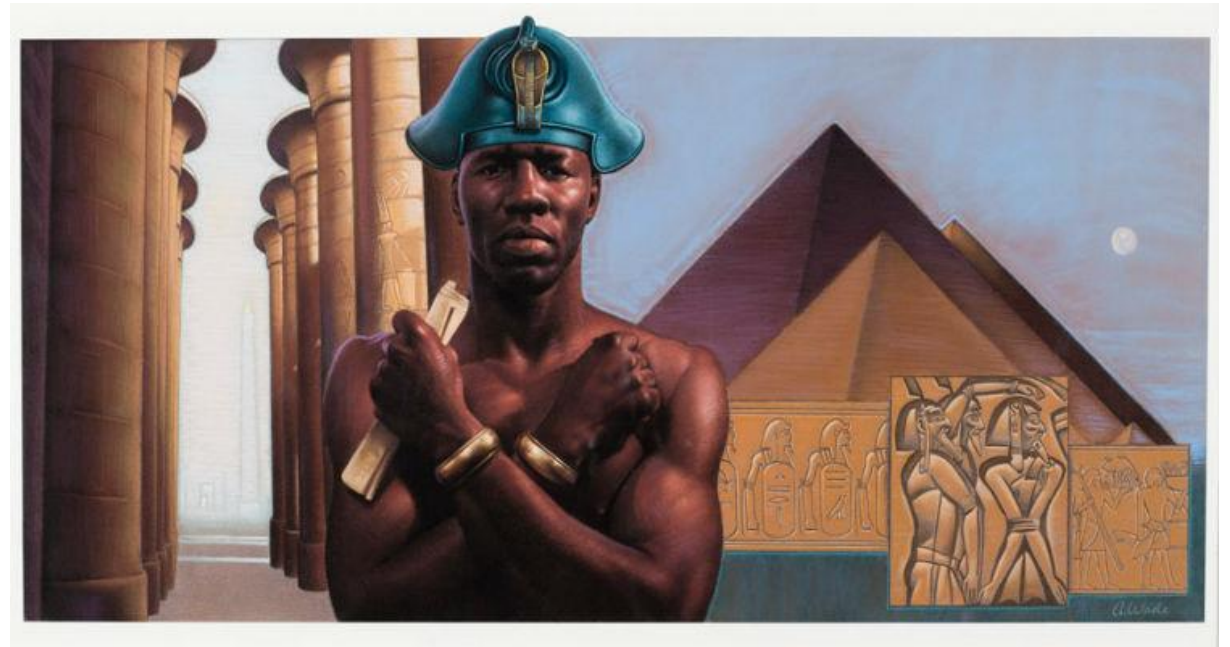


• Luntu Makanda

- Astronomy, space, technology and Africa have a rich and long-standing relationship that dates back millennia. Several ancient African cultures birthed discoveries in astronomy.



- One of the world's oldest ancient observatories, Natta Playa, is a remarkable site composed of hundreds of prehistoric tumuli, stelae, and megalithic structures located in the Nubian Desert, approximately 100 kilometers west of Abu Simbel in southern Egypt.



- Ancient Egypt was a world leader in astronomy for many centuries, especially thanks to the School of Alexandria.



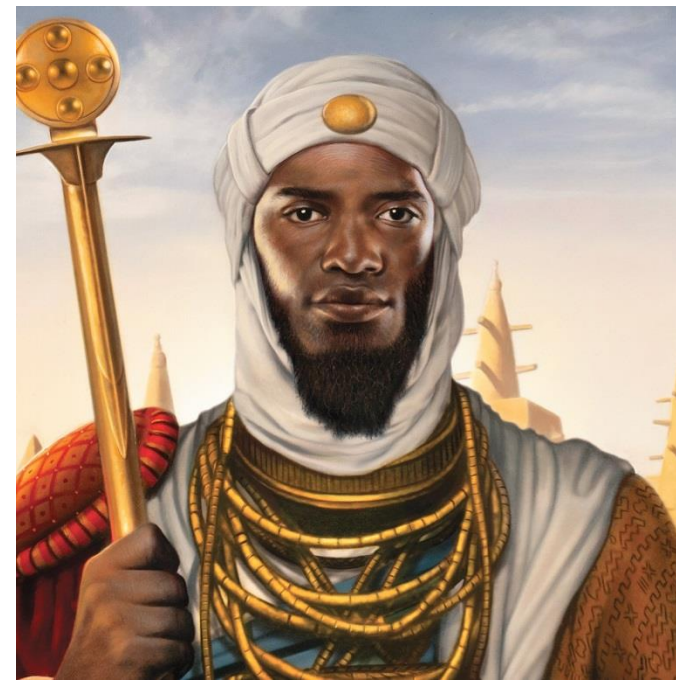
- Near the Atlantic coast in Caesarea and Volubilis (modern Morocco), Juba II and his wife Cleopatra Selene (the daughter of Anthony and Cleopatra) wrote several science books around 10 BC



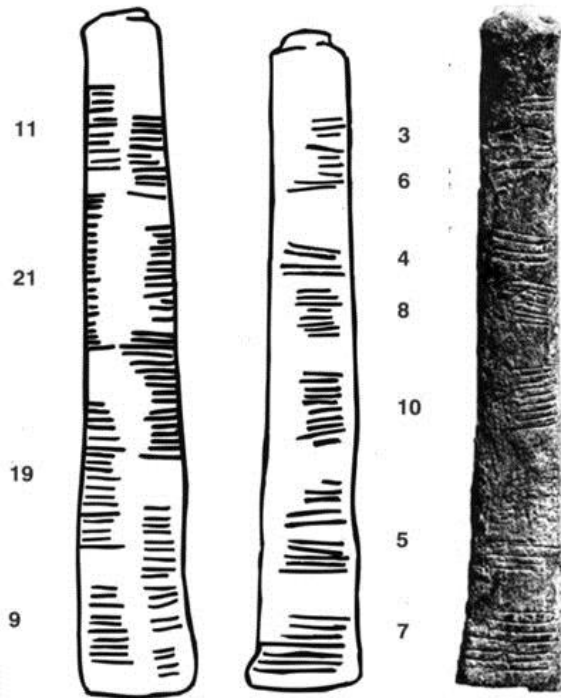
- During the Islamic era, Cairo's Ibn Yunus Observatory was at the forefront of astronomical research in the 10th century.



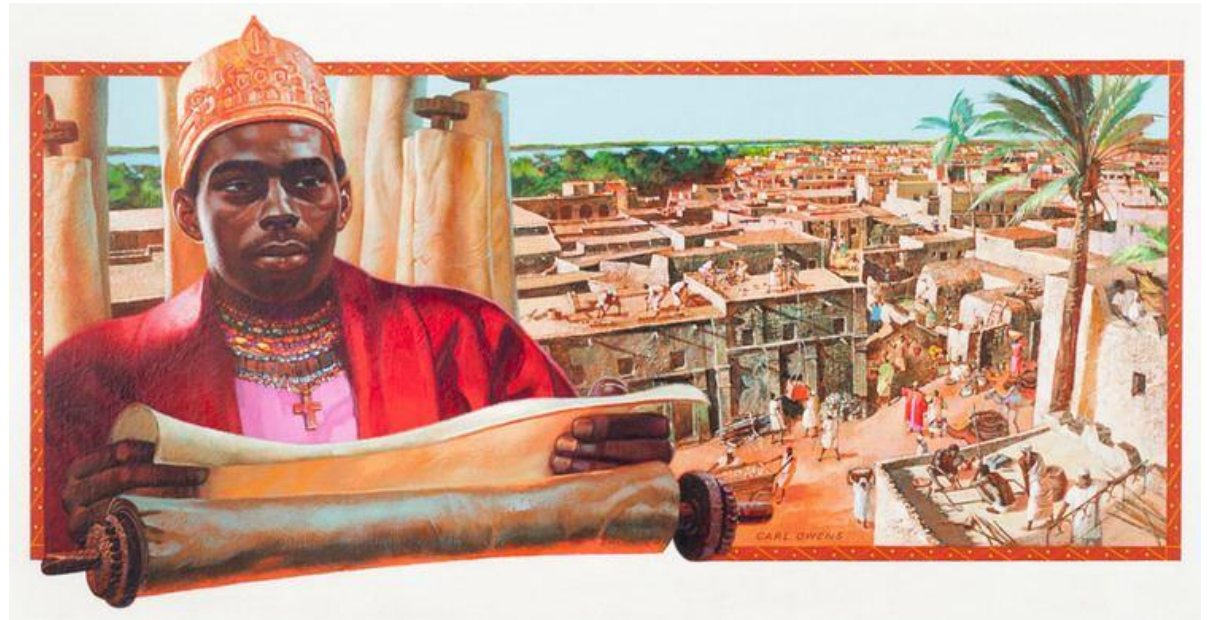
- For four hundred years Timbuktu was an academic center of the world. The Islamic world brought a different perspective than Ancient Greece, transforming science to solve practical matters such as determining the direction of Mecca and time keeping.



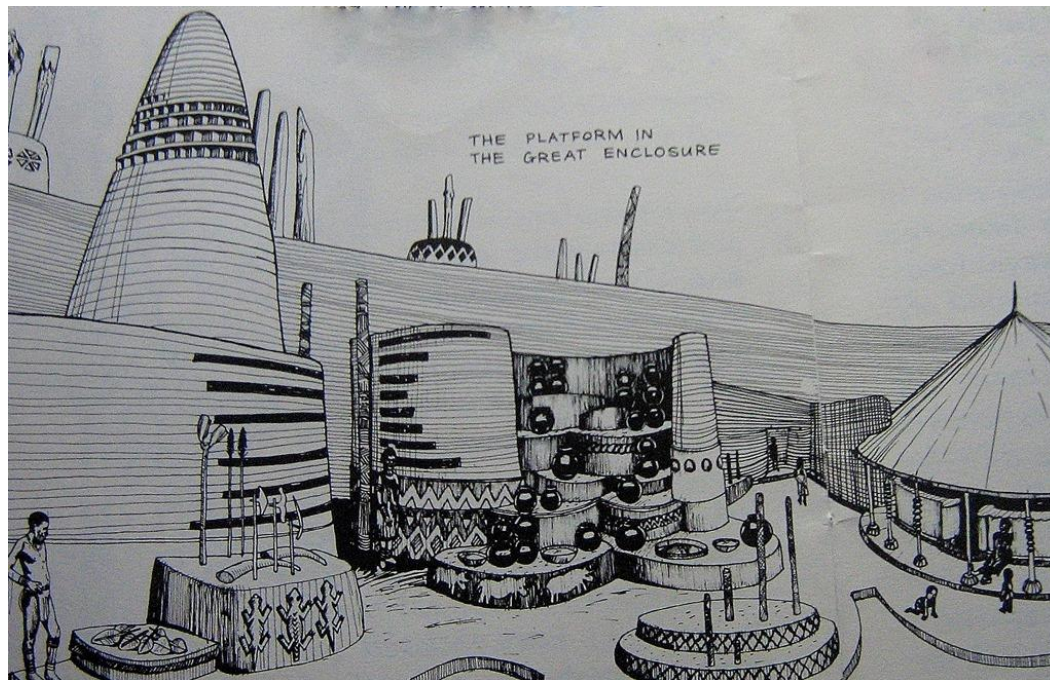
- The Lebombo bone found in Swaziland and the Ishango bone, discovered on the border between Uganda and Zaire, both baboon fibulas, are the world's two oldest mathematical objects – the former at least 35,000 years old.



- Many advances in metallurgy and tool-making were made across the entirety of ancient Africa. These include steam engines, metal chisels and saws, copper and iron tools and weapons, nails, glue, carbon steel and bronze weapons and art. In places like Tanzania, Rwanda and Uganda, the advances in metallurgy and tool-making surpassed those in Europe.



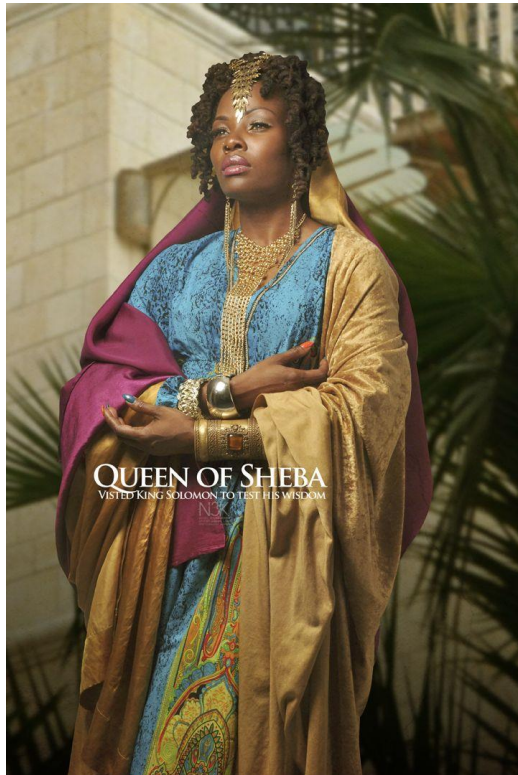
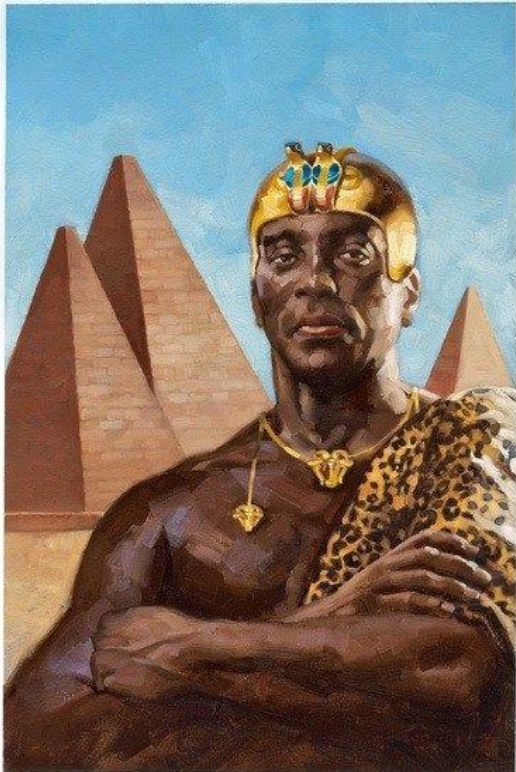
- In terms of architecture, mining and engineering, The Great Zimbabwe ruins, built between the 11th and 15th Century, this is one of the largest and oldest solid structures in Southern Africa.



- The ancient city of Mapungubwe (meaning 'hill of the jackal') is an Iron Age archaeological site in the Limpopo Province on the border between South Africa, Zimbabwe and Botswana, 75 km from Messina. It sits close to the point where the Limpopo and Shashe Rivers meet. One thousand years ago, Mapungubwe appears to have been the centre of the largest known kingdom in the African sub-continent.



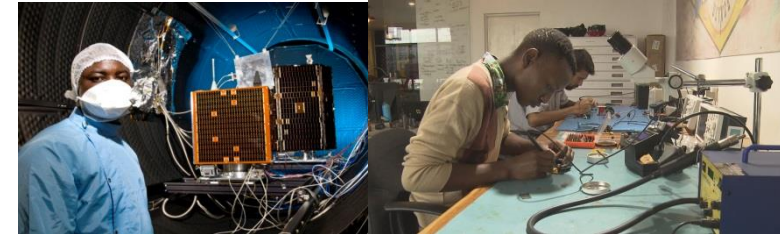
- Our proposed 24 part television series will explore astronomy, science, space and technology in Africa.



- Our series will center around astronomy with a strong emphasis on science, technology, engineering and math. It will unpack some of the myths that Africans have surrounding the sun and the origins of the universe. We will start in Nubia the cultural and spiritual center of Egypt in the city of Monroe, after which we will explore Egypt and its contribution to African science and technology. We then move to Libya, Tunisia, Morocco, Mali, Nigeria, Congo, Kenya, Zimbabwe and finally South Africa.



- We will first focus on the ancient civilizations, after which we will travel to the present and look at what Africa is doing now in terms of space and technology highlighting countries such as Ethiopia. Then Finally we will have a few episodes envisioning what contribution Africa will make in the future.





Featured content will drive content to

- Social media
- Website

The Explore Coalition (Sho'Jo Media) will manage and boost engagement on

- Twitter
- Facebook
- Instagram
- Public platforms

Forming relationships with

- The university of Timbuktu to preserve and collect ancient documents related to science and astronomy
- The Museum of Egyptian Antiquities to preserve and collect ancient documents related to science and astronomy
- National Museum of Mauritania



The Facebook logo, which is the word "facebook" in a white, lowercase, sans-serif font centered within a solid blue rectangular background.

- **Our Director: Luntu Makanda**

- Content Producer/Director: Sho'Jo Media
- Technical Director Endemol: Italia (Big brother Angola)
- Assistant Director: Simphiwe Dana Music Video
  
- Recent Credits:
- Commercial - 'Hyundai' African Motion Picture Company, Director Justyn Davies, Position Assistant Director
- Commercial - 'Mzansi Magic' We Are Creative, Director Tebogo Malope, Position Assistant Director
- Commercial - 'Gotv' Egg Films, Director Zwelethu Radebe, Position 2nd Assistant Director
- Commercial - 'MAQ Auto' The Front Film Productions, Director Assistant Director, Position: Assistant Director
- Commercial - 'Coke' We Are Creative, Director Cindy Lee, Position 2nd Assistant Director
- Commercial – 'Edgars' Fortcom, Director Amr Singh, Position Assistant Director
- Commercial –'Sandton & East Gate Mall' Slammer Production, Director Steve Tanchel, Position Assistant Director
- Commercial –'Miss South Africa' African Motion, Director Miles Goodall, Position Assistant Director
- Corporate –'Lendo' African Motion , Director Rickard Engqvist, Position Assistant Director
- Feature –'Salvation' Lighworx Pictures, Director Carmen Sangion, Position Assistant Director

