

## Ch 4, S 2

## Art, Architecture, Learning in Egypt

Egyptians

- Great inventors (like Sumerians)
- writing, literature, architecture, mathematics, science



paved the way for future civilizations

Writing &amp; Literature

Hieroglyphics

scribe

papyrus

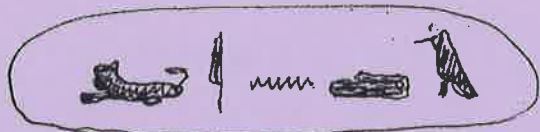
Summary

- ▶ Egyptians developed one of first writing systems
- preserved knowledge, share
- a drawing or symbol that represents a word or sound
- over 800 hieroglyphics
- officials who knew how to write
- valued for their knowledge

material similar to paper made from the papyrus reed (plant)

- "paper" comes from the word papyrus





papyrus

- lasted long time
- easier to transport

Literature

- medical books, teachings
- calendars
- stories
- poems
- prayers, religious texts

ON  
papyrus

also - painted on coffins of mummies  
- Carved on stone monuments

Ex: "The Book of the Dead"  
"The Tale of Sinuhe"

Architecture  
& Arts

Temples - gods  
- tombs - pharaohs

Pyramids

- tombs
- underground chambers (rooms)
- contained items the ruler wanted in the afterlife

Summary:

pyramid

step-pyr.

- Imhotep - architect
- 6 stone mounds, one on top of other



later - smooth sides  
"true pyramid"



largest: Great pyramid of Khufu  
Nearby: Sphinx - statue that guarded road to Khafre's pyramid

- show command of mathematics
- advanced building techniques

workers

required 1,000's of workers

- cut stone - craftsmen
- placed stone - farmers

End of  $\Delta$ 's

- began building in side of cliffs  
2200 BC



painting &  
Sculpture

skilled artists  
painted on walls of tombs  
↳ provided these items  
to person buried in the tomb

↳ a statue or free-standing  
piece of art made from clay,  
stone, other materials.

Colossal (Ginormous) statues  
in temples - smaller ones in  
tombs - If mummy destroyed,  
statue replaced for spirit to  
enter.

Science &  
Mathematics

Calendar

First was "lunar" (moon-based)  
354 days

↳ sun / solar-based calendar  
365 days (this aligned with  
the seasons)

Summary:



mathematics

• construct pyramids based on their knowledge & understanding of:

• addition, subtraction, multiplication,

geometry: study of measurement of dimensions

Medicine  
& Science

• knew that the star, Sirius, appeared in morning sky the morning of the Nile Flood

Astronomy

advanced study of stars and other objects in the sky

engineering  
Chemistry

building = pyramids, irrigation  
early glass, mortar, cosmetics

Anatomy

study of the structure of the body and its organs.

through embalming and the mummification process.

