

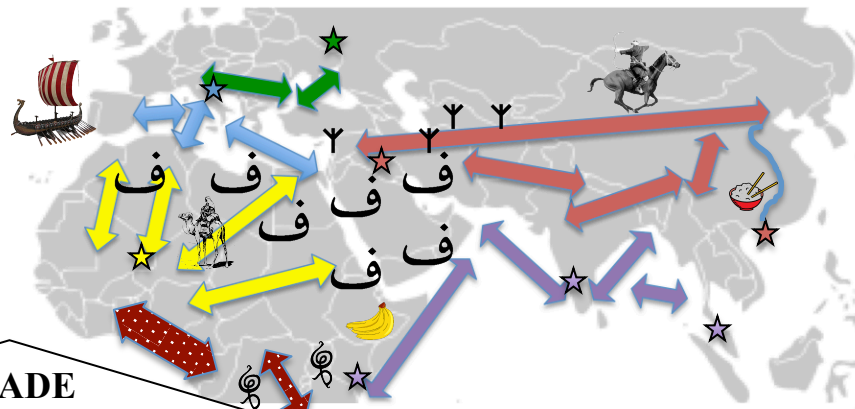
# KEY CONCEPT 3.1: EXPANSION & INTENSIFICATION OF COMMUNICATION & EXCHANGE NETWORKS

IMPORTANCE/USE OF TRADE ROUTES FROM 2.3 GREW EXPONENTIALLY WITH MASSIVE EFFECTS ON THE EARTH

**REVIEW**

**EASTERN HEMISPHERE TRADE ROUTES:**

- EURASIAN
- SILK ROAD
- TRANS SAHARAN
- INDIAN OCEAN
- MEDITERRANEAN



**DIASPORA**

People living away from their HOMELANDS

- **MUSLIMS** in the INDIAN OCEAN
- **CHINESE** in SOUTHEAST ASIA
- **JEWS** in the MEDITERRANEAN

**INTER-REGIONAL TRAVELLERS**

MARO POLO    IBN BATTUTA    XUANZANG

## TRADE

**BIG FOUR TRADE ROUTES...**  
 Silk Road-Trans Saharan-Mediterranean-Indian Ocean  
 ...LED TO POWERFUL NEW TRADING CITIES  
 Novgorod, Timbuktu, Swahili, Huangzhou, Calicut, Baghdad, Melaka, Venice, (Tenochtitlan, Cahokia)  
 (\*\*Notice the location of these cities along the trade routes. \*\*)  
 (\*The two American Cities are built along new American routes. \*)

**NEW LUXURY GOODS SPREAD ALONG THESE ROUTES**

SILK	GEMS
COTTON	SLAVES
PORCELAIN	EXOTIC ANIMALS
SPICES	

**NEW COMMERCIAL TECH. AIDED THIS SPREAD:**  
 CARAVANSERAI (Roadside Inns)  
 CAMEL SADDLES (Saddles for Camels)

**NEW NAVIGATIONAL TECH. AIDED THIS SPREAD:**  
 COMPASS (from CHINA)  
 ASTROLABE (from Hellenistic world)  
 LARGER SHIP DESIGNS

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**NEW ECONOMIC TOOLS FACILITATED THIS SPREAD:**  
 BILLS OF EXCHANGE  
 CREDIT/CHECKS/BANKS  
 GOVERNMENT COINS/PAPER MONEY  
 TRADING ORGANIZATIONS (Hanseatic League)  
 GOVERNMENT COMMERCIAL INFRASTRUCTURE  
 o GRAND CANAL (see MAP in CHINA)

All of this is EXPEDITED by the SPREAD of LARGE EMPIRES

## CROSS-CULTURAL EXCHANGES

**ENVIRONMENTAL KNOWLEDGE & TECHNOLOGICAL ADAPTATION**

VIKING LONGSHIPS    ARAB/BERBER CAMELS    CENTRAL ASIAN HORSES

**MIGRATIONS**

BANTU MIGRATIONS

POLYNESIAN MIGRATIONS

**LANGUAGES**

BANTU (SWAHILI)    TURKIC    ARABIC

**ISLAM**

- Based on revelations to **MUHAMMAD**
  - o Think of it as Judaism 3.0
  - o Mix of Judaism, Christianity, & Zoroastrianism with the Arab people of Arabian Peninsula
- Spread: Militarily & via Trade

## CROSS-CULTURAL DIFFUSION

NEOCONFUCIANISM, HINDUISM, & BUDDHISM → SOUTHEAST ASIA

ISLAM → SOUTHEAST ASIA & SUBSAHARAN AFRICA

PRINTING & GUNPOWDER FROM EAST ASIA → ISLAMIC EMPIRES & WESTERN EUROPE

GREEK & INDIAN MATH → ISLAMIC EMPIRES    GREEK SCIENCE & PHIL. (Back to Europe)

**NEW CROPS IN NEW AREAS**

BANANAS → To AFRICA  
 Dar-al-Islam & Mediter. Trade: Sugar, Cotton, & Citrus

NEW RICE → To East ASIA

**DISEASE**

ALONG WITH GOODS, INCREASED TRADE BRINGS DISEASE. Ex. The BLACK DEATH