

2. NETWORKS

OF

EXCHANGE

POST-CLASSICAL (1200-1450 CE)

NETWORKS OF EXCHANGE

c.1200-1450

UNIT 2 BREAKS DOWN INTO 6 SUBUNITS:

2.1

THE SILK ROADS



NETWORKS OF EXCHANGE
c.1200-1450

2.2

MONGOL EMPIRE



NETWORKS OF EXCHANGE
c.1200-1450

2.3

EXCHANGE IN THE INDIAN OCEAN



NETWORKS OF EXCHANGE
c.1200-1450

2.4

TRANS-SAHARAN TRADE



NETWORKS OF EXCHANGE
c.1200-1450

2.5

CULTURAL CONSEQUENCES.



NETWORKS OF EXCHANGE
c.1200-1450

2.6

ENVIRONMENTAL CONSEQUENCES



NETWORKS OF EXCHANGE
c.1200-1450

GEOGRAPHY

FREEMAN-PEDIA

NETWORKS OF EXCHANGE

c.1200-1450



THE SILK ROADS c.1200-1450

SILK ROAD

- SAMARKAND ● KASHGAR
- PRINTED PAPER MONEY BEGAN IN CHINA IN 960
- MOVING WITH MONGOLS, EUROPE PRINTED IN 1661
- BANKING
- CARAVANSERAI

MONGOL EMPIRE c.1200-1450

KHANATES

- TRANSFER OF GRECO-ISLAMIC MEDICAL KNOWLEDGE TO WESTERN EUROPE
- TRANSFER OF "ARABIC" NUMERALS TO EUROPE
- MONGOL ADOPTION OF HIRGHIR SCRIPT

EXCHANGE IN THE INDIAN OCEAN c.1200-1450

SWAHILI GUJARAT MALACCA

- COMPASS 1ST USED DIRECTIONALLY BY SONG DYNASTY c.1000 (REACHES EUROPE BY 1200)
- ASTROLABE INVENTED BY GREEKS, PERFECTED BY MUSLIMS c.900 (REACHES EUROPE BY 1000)
- DIASPORIC COMMUNITIES
- ARABS/PERSIANS CHINESE MERCHANTS MALAY PEOPLES
- ZHENGHE

TRANS-SAHARAN TRADE c.1200-1450

GHANA MALI

- ★ TIMBUKTU
- TRANS-SAHARAN TRADE ROUTE
- CAMEL SADDLES
- CARAVANS

CULTURAL CONSEQUENCES c.1200-1450

SPREAD OF RELIGION

BUDDHISM HINDUISM ISLAM

SPREAD OF TECHNOLOGY

GUNPOWDER PAPER

IBN BAITUTA MARCO POLO MARGE KEMPE

ENVIRONMENTAL CONSEQUENCES c.1200-1450

BUBONIC PLAGUE ORIGINATED IN THE STEPPE & SPREAD WITH THE MONGOLS

ORIGINATING IN S.E. ASIA BEFORE SPREADING TO AFRICA & EUROPE

FAST-GROWING CHAMPA RICE WAS GIVEN AS TRIBUTE TO SONG IN 1000

ORIGINATING IN S.E. ASIA, CITRUS FRUITS ARRIVED IN EUROPE FROM ARAB TRADERS

POST-CLASSICAL (1200-1450 CE)

NETWORKS OF EXCHANGE

c.1200-1450

UNIT 2 BREAKS DOWN INTO 6 SUBUNITS:

2.1





2.1 THE SILK ROAD

HERE IS ALL THAT THE COLLEGE BOARD REQUIRES OF YOU FOR:

THIS IS THE THEMATIC FOCUS. IT'S WHAT YOU SHOULD FOCUS ON FOR THIS SECTION

THEMATIC FOCUS

Economics Systems ECN

As societies develop, they affect and are affected by the ways that they produce, exchange, and consume goods and services.

LARGEST TRADE CITIES

1. BEIJING.....1672k
2. VIJAYANAGAR 500k
3. CAIRO.....400k
4. HANGZHOU.....250k
5. CONSTANTIN.....200k

SAMARKAND
"ONE OF THE GREATEST & FINEST OF CITIES & MOST PERFECT OF THEM IN BEAUTY"
"A VERY LARGE & SPLENDID CITY"

KASHGAR
"ONE OF THE MOST STRONG MOST CHINESE CITIES. KASHGAR HAS BEEN ON THE FRONT OF CONFLICT BETWEEN CHINA & TURKIC TRIBES"

SPREAD OF RELIGION
HINDUISM, BUDDHISM, ISLAM, JUDAISM, CHRISTIANITY, SIKHISM, CONFUCIANISM

SPREAD OF TECHNOLOGY
ASTRONOMY, PAPER, PRINTING, CARAVANSERAIS, SOGDIANS

PRINTED \$\$\$
CARAVANSERAIS, PORCELAIN, RICE, CHAMPA

HISTORICAL DEVELOPMENTS

KC-3.1.I.A.i

Improved commercial practices led to an increased volume of trade and expanded the geographical range of existing trade routes—including the Silk Roads—promoting the growth of powerful new trading cities.

KC-3.1.I.C.i

The growth of interregional trade in luxury goods was encouraged by innovations in previously existing transportation and commercial technologies, including the caravanserai, forms of credit, and the development of money economies.

KC-3.3.I.B

Demand for luxury goods increased in Afro-Eurasia. Chinese, Persian, and Indian artisans and merchants expanded their production of textiles and porcelains for export; manufacture of iron and steel expanded in China.

I'VE PROBABLY ONLY MENTIONED THIS 1,000,000 TIMES, BUT...

I HAVE A YOUTUBE CHANNEL!

ILLUSTRATIVE EXAMPLES

AP WORLD MODERN

THIS VIDEO MIGHT HELP HERE

ILLUSTRATIVE EXAMPLES

PAPER

CARAVANSERAIS

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ONE LAST THING BEFORE WE LEAVE THE SILK ROAD...

IRON & STEEL PRODUCTION IN SONG CHINA

YEARLY IRON PRODUCTION

21k TONS	120k TONS
800 CE	1078 CE

SONG DYNASTY

HISTORIANS HAVE CALLED THE SONG DYNASTY IN CHINA A "NOTHING BUT A REVOLUTION (2020=FIRST, EARLY) CANALS THROUGHOUT CHINA BUILT TO CONNECT IRON/STEEL PRODUCING AREAS"

BY USING COAL, THE FORESTS OF CHINA WERE SAVED FROM DEFORESTATION

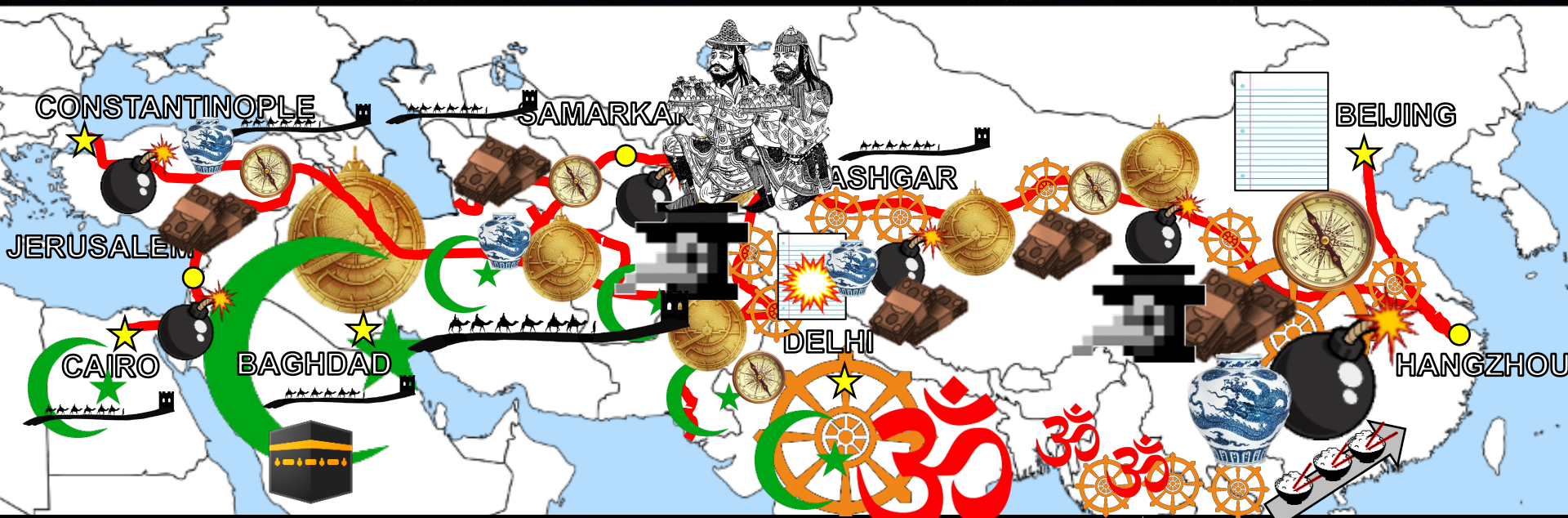
IRON & STEEL USED IN PRODUCTION OF: COPPER, PLOWS, HAMMERS, GRAINS

1644 CHINESE ILLUSTRATION OF SMELTING IRON ORE TO MAKE WROUGHT IRON

"It is a fact that all over the country of Cathay (China) there is a kind of black stones existing in beds in the mountains, which they dig out and burn like firewood. If you supply the fire with them at night, and see that they are well kindled, you will find them still slight in the morning; and they make such capital fuel that no other is used throughout the country."

Marc Polo c. 1290
Amazed by the Chinese use of "black stones" for fuel instead of wood (Coal)

GEOGRAPHY



RISE & FALL OF POST-CLASSICAL CITIES

- 1. INVASIONS:** ARABS, TURKS, CRUSADERS, HUNS, MONGOLS, VIKINGS
- 2. DISEASE:** MORE TRADE=MORE DISEASES (BUBONIC, SMALLPOX, TYPHUS)
- 3. DECLINE IN AGRICULTURE:** INVASION DESTROYS FARMS/DISEASE DESTROYS FARMERS
- 4. "LITTLE ICE AGE":** COOLING PERIOD LED TO DECLINE IN POPULATION AND FOOD PRODUCTION

CAIRO, VENICE, TIMBUKTU, HUANZHOU, MALACCA, TENOCHTITLAN

- 1. END OF INVASIONS:** BY 1450, MOST MAJOR INVASIONS ARE DONE (FOR NOW...)
- 2. SAFE TRANSPORTATION:** PAX ISLAMICA, PAX MONGOLICA, ETC.=SAFER TRADE
- 3. RISE IN TRADE/TEMPS:** "MEDIÆVAL WARMING PERIOD" PREDATES LITTLE ICE AGE
- 4. FARMS → PEOPLE → LABOR:** FOOD+PEACE=MORE PEOPLE=MORE LABOR=PRODUCTION

FREEMAN+PEDIA

LARGEST TRADE CITIES (POPULATIONS c. 1450)

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2. VIJAYANAGAR 500k
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KASHGAR
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SPREAD OF RELIGION:

SPREAD OF TECHNOLOGY:



CARAVAN SERAI



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EFFECTS OF THE SILK ROAD



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YEARLY IRON PRODUCTION



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125k TONS

800 CE

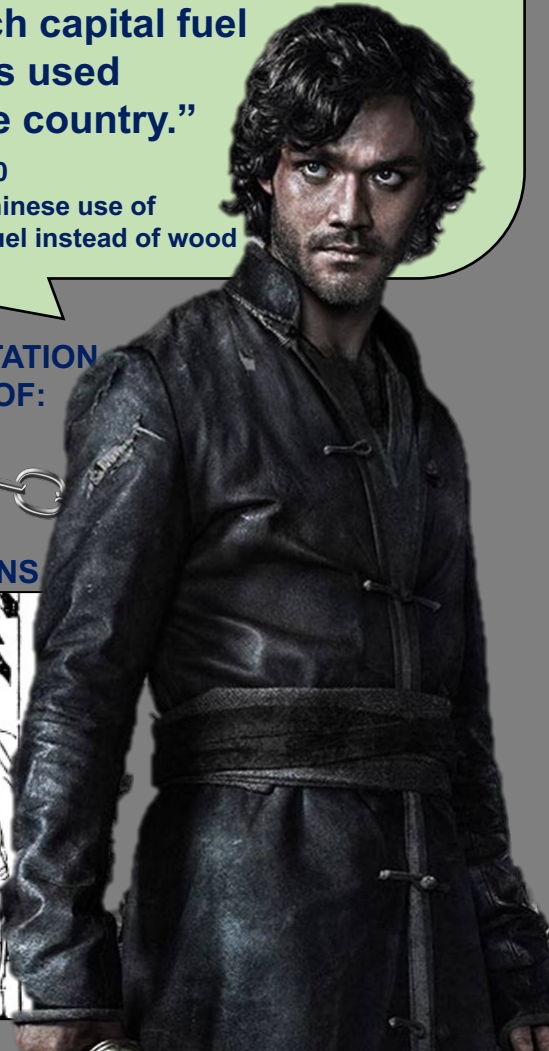
SONG DYNASTY

1078 CE

- HISTORIANS HAVE CALLED THE SONG DYNASTY IN CHINA A '**PROTO-INDUSTRIAL REVOLUTION**' (*PROTO*=FIRST, EARLY)
- CANALS THROUGHOUT CHINA BUILT TO CONNECT IRON/STEEL

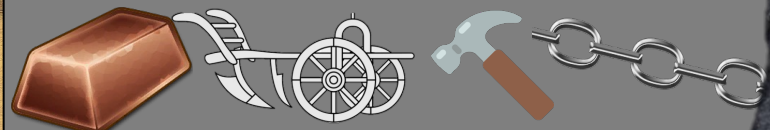
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-Marco Polo c. 1300
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PRODUCING AREAS

- BY USING COAL, THE FORESTS OF CHINA WERE SAVED FROM DEFORESTATION
- IRON & STEEL USED IN PRODUCTION OF:



COPPER PLOWS HAMMERS CHAINS



GRAND CANAL



1648 CHINESE ILLUSTRATION OF SMELTING IRON ORE TO MAKE WROUGHT IRON