

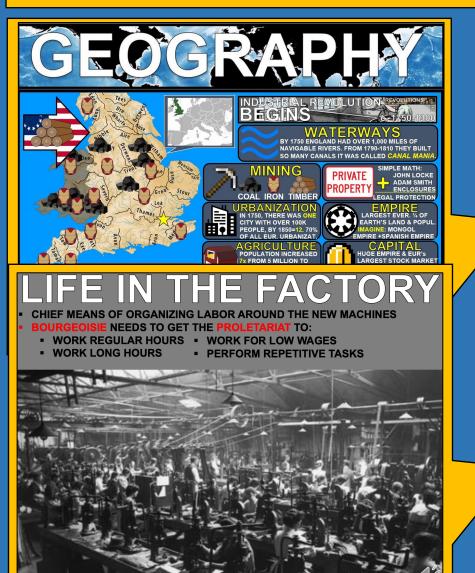
HERE IS ALL THAT THE COLLEGE BOARD REQUIRES OF YOU FOR: NATIONALISM & THE COLLEGE BOARD REQUIRES OF YOU FOR:

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



Humans and the Environments

The environment shapes human societies, and as populations grow and change, these populations in turn shape their environments.



HISTORICAL DEVELOPMENTS

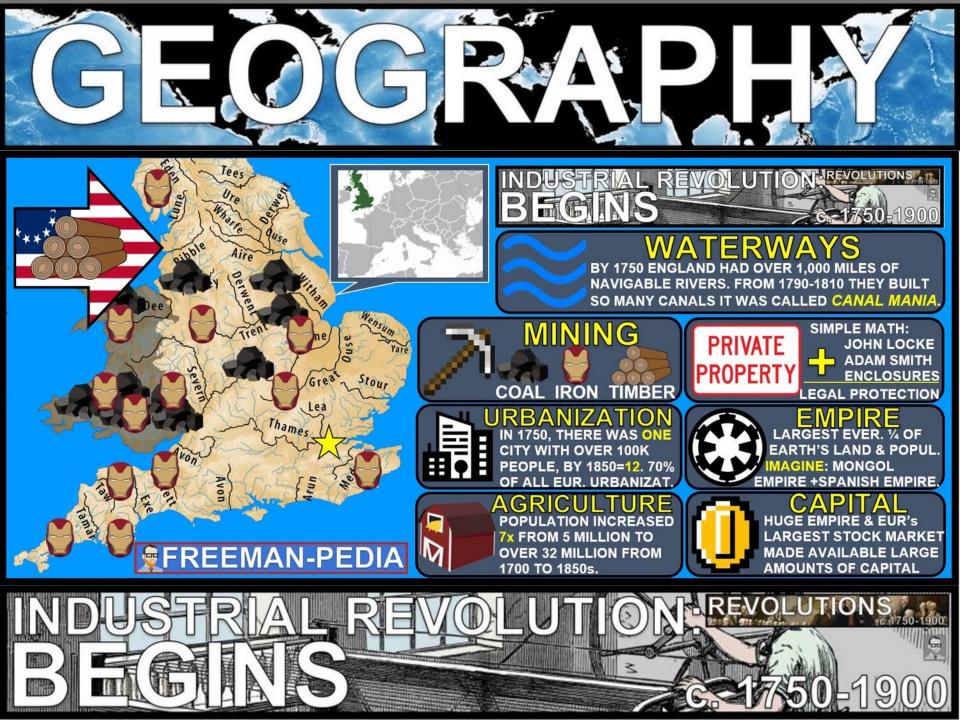
KC-5.1.I.A

A variety of factors contributed to the growth of industrial production and eventually resulted in the Industrial Revolution, including:

- Proximity to waterways; access to rivers and canals
- Geographical distribution of coal, iron, and timber
- Urbanization
- Improved agricultural productivity
- Legal protection of private property
- Access to foreign resources
- Accumulation of capital

KC-5.1.I.C

The development of the factory system concentrated production in a single location and led to an increasing degree of specialization of labor.



Anytown, Britain c.1750

NEW YORK CITY, c.1913

Anytown, Britain c.1750

AGRICULTURAL REVOLUTION 2.0 BRITISH AGRICULTURAL PRODUCTIVITY SKYROCKETS IN THIS ERA





ENCLOSURE MVMT. ENCLOSED FARMS BEGAN SCIENTIFIC FARMING

(1773)

(c.1700)

CROP ROTATION

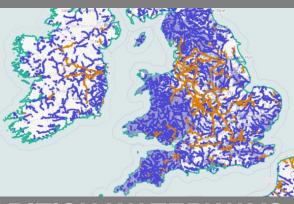
ROTATING CROPS INTO

FALLOW FIELDS LIKE TURNIPS SEEDS IN BEST LOCATION

(1701)

ECONOMICALLY PLACED







LAND RECLAMATION BRITISH WATERWAYS SELECTIVE BREEDING TURNING FOREST/SWAMPS & BRITAIN=1ST NATIONWIDE CONVERTING THEM TO FARMS CANAL SYSTEM (ORANGE) AVG: 1700=370 lbs. 1786=840 lbs

(1600s-1800s)

(1600s-1800s)

(1700 - 1900)

FROM 1700-1870, BOTH WORKER & FARMER OUTPUT TRIPLED.

COTTAGE INDUSTRY



COMMONS=AREA OPEN TO ANYONE FOR FARMING, HERDING, GRAZING, ETC.

ENCLOSURE ACTS (1773): ENCLOSED COMMONS AND REMOVED COMMONERS' ACCESS



LOCAL ENTREPREN. BRINGS RAW MATERIALS TO YOUR DOOR...



1733: JOHN KAY INVENTS THE FLYING SHUTTLE

MEANWHILE, THE WOMEN WERE SPINNING ON ONE OF THESE:

SPINNING WHEEL

DATES BACK TO 1,000 CE IN INDIA
FIRST IMAGERY FROM BAGHDAD (1234 CE)

 USED TO SPIN THREAD OR YARN FROM NATURAL FIBERS (COTTON, WOOL, ETC)



MAHATMA GANDHI USED THE SPINNING WHEEL AS A POLITICAL MOVEMENT TO REJECT WESTERN CULTURE & IDENTIFY WITH THE POOR

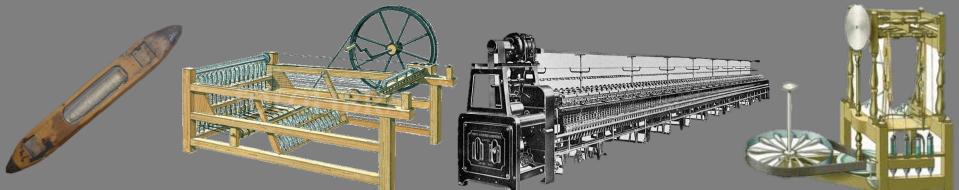
13TH CENTURY ARABIC MINIATURE FROM BAGHDAD EARLY 17TH CENTURY ELIZABETHAN ENGLAND 1895 PAINTING OF ST. ELIZABETH OF HUNGARY

YARN PRODUCTION COULD NO LONGER KEEP UP WITH WEAVING

UNTIL...

JAMES HARGREAVES' WIFE KNOCKED OVER HER SPINNING WHEEL... JAMES HARGREAVES CAME AND HAD A REALIZATION -> HOW DID IT WORK?!??!?!!

FROM THERE, INNOVATION SPURRED MORE AND MORE INNOVATION



FLYING SHUTTLE SPINNING JENNY SPINNING FRAME WATER FRAME

(1767) (1769) STRONGER THREAD WATER POWERED REQ'D NEW POWER SOURCE ←SPINNING FRAME

(1764) FASTER SPINNING

(1733) FASTER WEAVING

COTTON GIN SPINNING MULE POWER LOOM (1779)(1784)(1794)**SEPERATES COTTON** MOST USED SPINNERS 1850-250k in ENGLAND **FIBER FROM SEED** FROM 1790-1900 COMPLETELY AUTOMATIC

COTTON GIN= CIVIL WAR?!?!?

- 1. COTTON PRODUCTION EASIER
- 2. DEMAND FOR COTTON INCREASES
- 3. COTTON PRODUCTION DOMINATES US ECON.
- a. 1790=6 SLAVE STATES
- b. 1860=15 SLAVE STATES
- 4. 1860=1/3 OF SOUTH=SLA.
- 5. ENCOURAGED

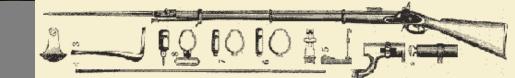
PLANTATION BASED ECON. 6. INDIRECT CAUSE OF CIV.

ELI WHITNEY IS NOT JUST THE COTTON GIN GUY... HE DID* THIS: INTERCHANGEABLE PARTS

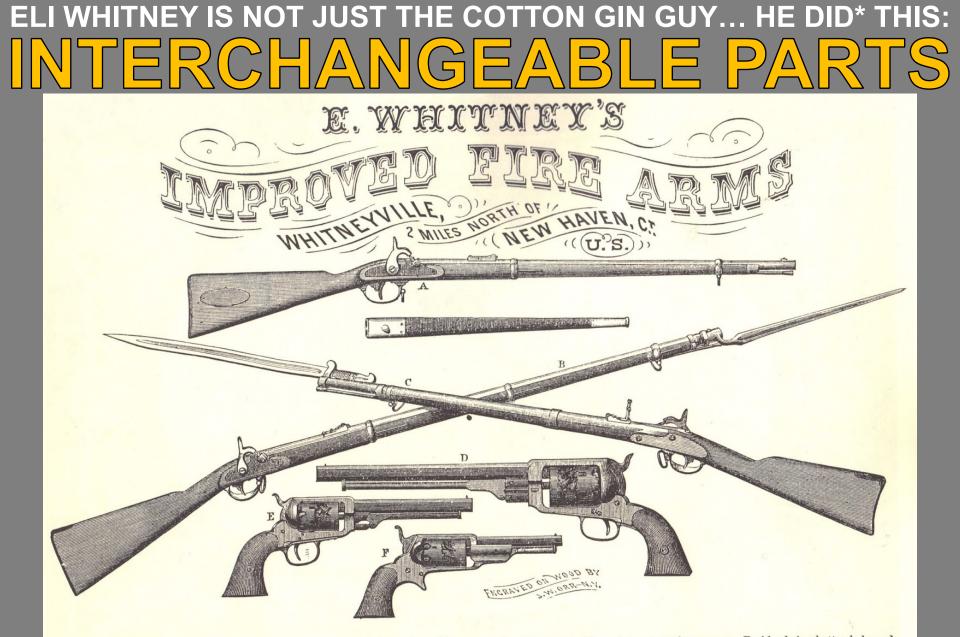
MYSTERIES AT THE MUSEUM Kane Prestenback

as Eli Whitney

HE DIDN'T INVENT THE IDEA, BUT HIS EFFORTS POPULARIZED 'THE AMERICAN SYSTEM' IN 1798



travel



WHITNEY'S Revolvers are equal to any in market, and sold at less price. They are made of best materials and in a superior manner. Besides being better balanced, they are more accurate shouters than the old style of repeating pistols most in use; because the barrel is more firmly held to the cylinder, so that there is no yielding, and the centre pin, as should always be the case, is used only for the revolution of the cylinder. Whitney's new model pistols are warranted safe, efficient, and durable in all respects, if properly used. Calibre same as Colt's. Whitney's new model Mississippi and Minnie Rifles and Muskets offered on very reasonable terms. See the recommendation of Col. Jefferson Davis, late Sec. at War. Kit Carson says, Whitney's Rifles are the best to cross the Plains with. For further particulars and prices, send for circulars.