

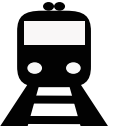



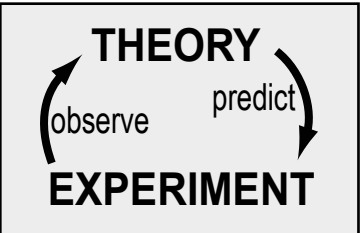
RESEARCH

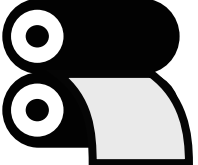
2000 computers, internet


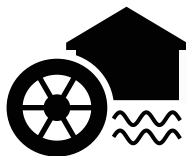
1900  telephone/radio, light 



1800  steam engine, electricity 

1700

1600 
scientific method (Francis Bacon)



1500 printing press 

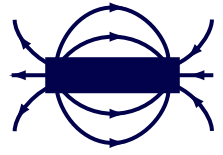
1400 universities, paper mills  

1300  civilization, writing 

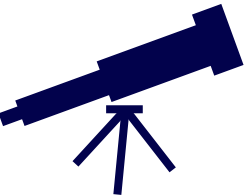
2000BC


PHYSICS



 quantum relativity Bohr-atom $E = mc^2$ 

 electro-magnetic theory (Maxwell)


$F = ma$ mechanics, optics calculus (Newton)

telescope (Galileo Kepler) 

mechanical clocks 

$a^2 + b^2 = c^2$   simple math, machines


CHEMISTRY


water =  hybridization (Pauling)



water = H:O:H valence theory (Lewis)

water = H₂O atomic theory (Dalton)

water = H + O elements (Lavoisier)


 thermometer, barometer

 Venetian glassware


water = element   metallurgy, oils


BIOLOGY

 chemical-life: DNA

 cellular structure

 evolution (Darwin, Mendel)

 microscope (Galileo, Hooke, Leeuwenhoek) 

Science.com  ractically 

 anatomy, breeding