

Reformation

Science

Enlightenment Philosophy

(1500 – 1804 – Europe, North of the Danube)

Reformation 1517 - 1648

who controls knowledge?

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who controls knowledge?

Church

(traditional)

(bible+classical)

(theocentric universe)

Reformation 1517 - 1648

who controls knowledge?

Church

(traditional)

(bible+classical)

(theocentric universe)

vs

Individual

(new)

(?)

(humanism)

Martin Luther - 1517

95 theses = reform the church

dont need priests/church
can find own way to heaven

need read the bible
= education

= humanism

human's role in universe



Problems

attacking one part of hierarchy = attack on all parts
(not church = why king? = instability)



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= Inquisition in Spain and Italy (heresy)

= catholic vs protestant wars of religion

= 30 million dead

= biggest wars since roman age



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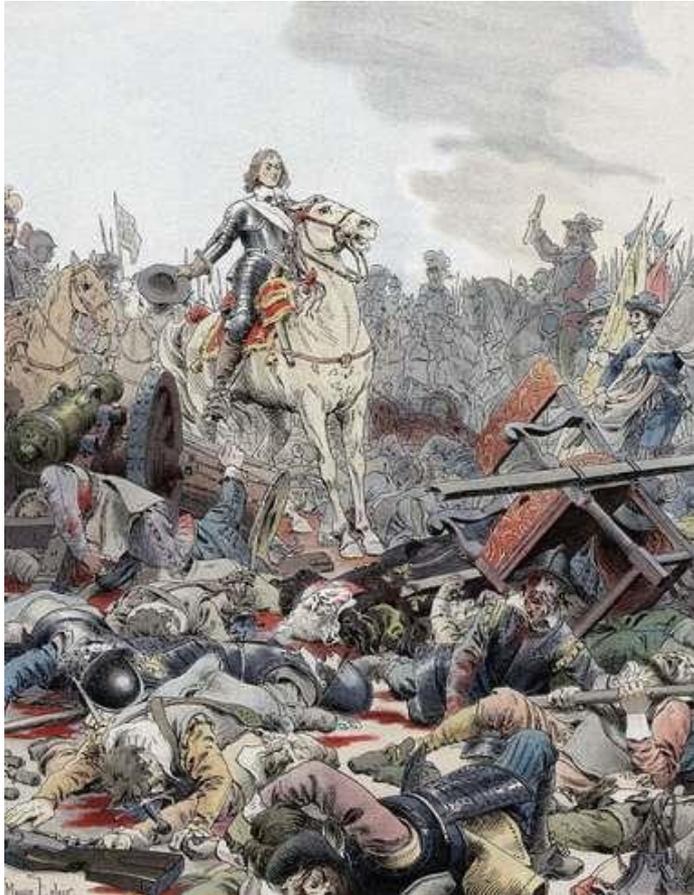
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= westphalia = end of 30 years war (1618-1648)

= king = country = independent ID

= balance of power

= united europe/christendom = dead

(roman empire not recreated)

Problems

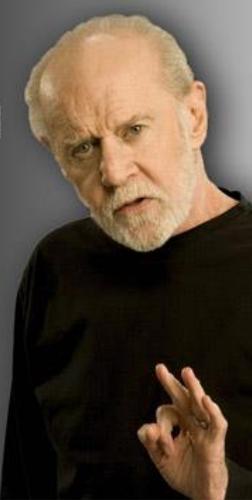
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(not church = why king? = instability = wars of religion = 30m)

ppl are stupid and make stupid choices

= luther thought ppl would think like him

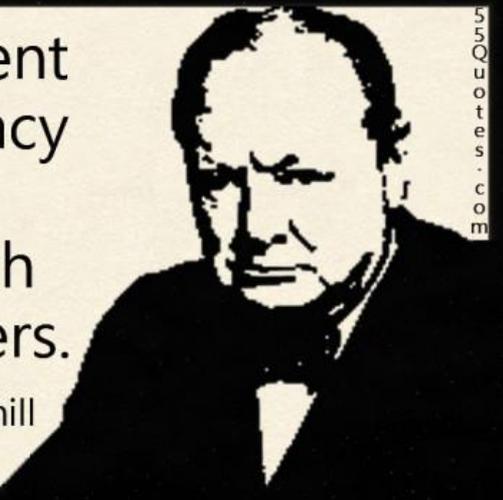
(plato's complaint)

A photograph of George Carlin, an older man with a white beard, wearing a black t-shirt, pointing his right index finger upwards.

“Think about how stupid the average person is, and then realize that half of 'em are stupider than that.”

—George Carlin

facebook.com/politicalhumor

A high-contrast, black and white portrait of Winston Churchill, showing his face and upper torso in a suit and bow tie.

The best argument against democracy is a five-minute conversation with the average voters.

~Winston Churchill

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Counter Reformation

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Inquisition = religion is a political crime
(torture, spying)



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Culture, Art and Music
(reformation = simple = amish = focus on word)

Church had \$\$\$ (Gesu = Aztec Gold)
(St Peters = largest church/dome)
(Michelangelo, Raphael)

= pizazz! = grandeur

Council of Trent = changes! 1550s
= church can compete for ideas



Science

reaction to violence of reformation (who knows god)



Science

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math is language = dispassionate

scientific theory = right and verifiable

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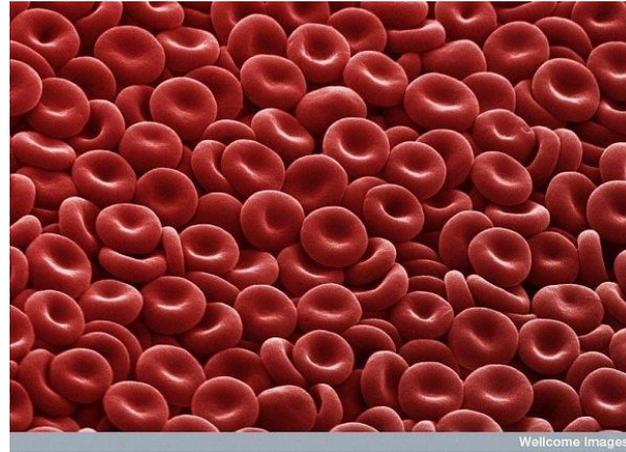
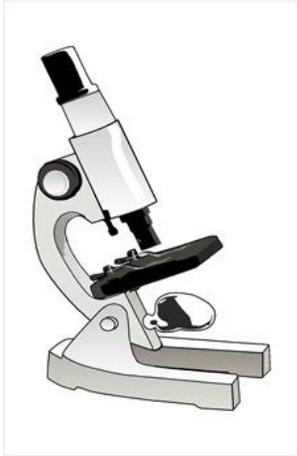
traditions might be wrong

aristotle -> galileo https://www.youtube.com/watch?v=Rk6_hdRtjJOE

bible/church -> darwin

galen -> hooke

New Technologies = extend senses
= Hooke (RBC), Galileo (moons Jupiter)



published results

= knowledge needs to be open/ shared
(see journals, books, google)

+

debated and corrected = science must be provable 100%



Newton (1642 – 1727)

1. scientist celebrity
(science is cool, sexy)

2. broad curiosity
= calculus

(why planets orbit ellipse not circle)



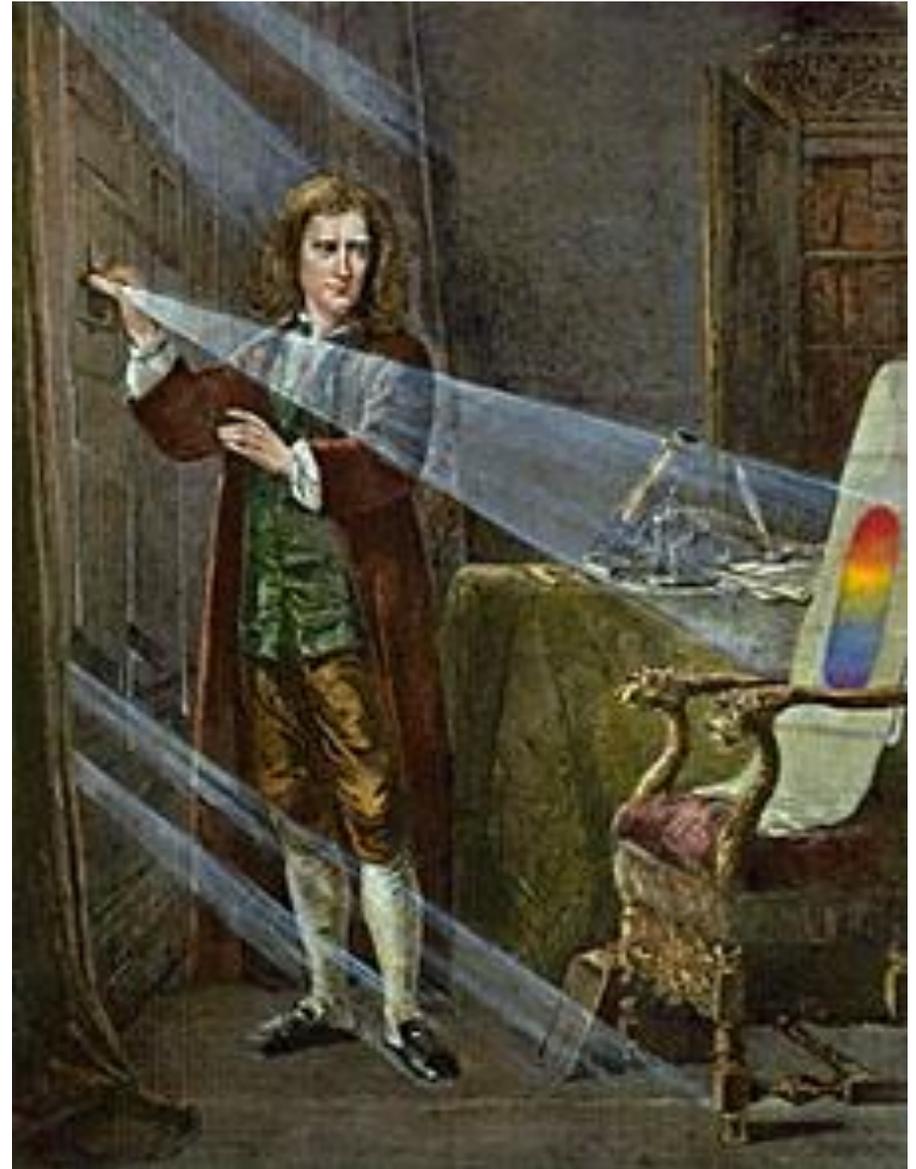
= white light = multiple colors not lack of color

= change art sees color

= what you see

might not be

what you see



= momentum and gravity

= invents physics = universe is predictable

(why things move and how)

(how interact with other objects)

= people can understand the universe (ie. God)

(principia mathematica)

= Age of Man

Enlightenment and the State of Human Nature

1. application of science
to societies and government

2. support/opposition to absolutism

what is absolutism

= concentration of all political, judicial and military power
in hands of 1 person

= \$\$\$, Law, Culture, Religion, Art = what 1 person does/likes



absolutism lead to:

1. nations (independent lords smashed)
2. unified law, language, religion (kings)
3. identity changed from local to national
4. national development of people, resources.
 - (most since the romans)
 - (roads, mail, schools, factories)
 - (armies = gun peasants + cannon = taxes)

success: most countries

= most powerful – France Louis XIV

“I am the State” – Versailles

= Spain, Denmark, Sweden = power in unity, no civil war

= Brandenburg! = powerful military = from poor to Germany

= Russia = complete old school Byzantine Emperor



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Failures:

Poland: king too weak = constant fighting with nobility = disappears

= conquered by Sweden (1650s),

absorbed by Russia/Brandenburg/Austria by 1800



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England: English civil war (1642-1649)

= execute king (not divine)

= Parliament runs show

Germany: no unity, weak, divided until 1871

Emperor elected by Super-Dukes (Electors)

= Hasburg (austria) constantly bargains/bribes

Enlightenment and the State of Human Nature

1. Hobbes (leviathan)

english civil war

life is nasty brutish and short

people are.....

disorder is worse so??????? govt? Revolution?

Enlightenment and the State of Human Nature

2. Locke (2nd treatise on govt)

glorious revolution 1688

[purpose of govt] is protection of life, liberty and property

ppl are.....

bad government = ?

Revolution?

Enlightenment and the State of Human Nature

3. Rousseau (general will)

reaction to french absolutism

people are born free but live everywhere in chains

ppl are.....

civilization is.....(foucault, freud)

general will...

noble savage (brave new world, robinson crusoe)