

**The Early Enlightenment
John Locke
(1632-1704)**

**Certainty and Science:
Diagnostic Questions**

1. The sum of the interior angles of a triangle equal 180 degrees
2. Earthquakes are caused by movements in subterranean tectonic plates
3. Consent is the basis of political legitimacy

Early Enlightenment Ordering

1. The sum of the interior angles of a triangle equal 180 degrees
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The Early Enlightenment and Scientific Certainty

“Of arts, some are demonstrable, others indemonstrable; and demonstrable are those the construction of the subject whereof is in the power of the artist himself, who, in his demonstration, does no more but deduce the consequences of his own operation. The reason whereof is this, that the science of every subject is derived from a precognition of the causes, generation, and construction of the same; and consequently where the causes are known, there is place for demonstration, but not where the causes are to seek for. Geometry therefore is demonstrable, for the lines and figures from which we reason are drawn and described by ourselves; and civil philosophy is demonstrable, because we make the commonwealth ourselves. But because of natural bodies we know not the construction, but seek it from the effects, there lies no demonstration of what the causes be we seek for, but only of what they may be.”

Thomas Hobbes, *Six Lessons to the Professors of Mathematics* (1656)

The Workmanship Ideal

“The state of nature has a law of nature to govern it, which obliges every one: and reason, which is that law, teaches all mankind, who will but consult it, that being all equal and independent, no one ought to harm another in his life, health, liberty, or possessions: for men being all the workmanship of one omnipotent, and infinitely wise maker; all the servants of one sovereign master, sent into the world by his order, and about his business; they are his property, whose workmanship they are, made to last during his, not one another's pleasure: and being furnished with like faculties, sharing all in one community of nature, there cannot be supposed any such subordination among us, that may authorize us to destroy one another, as if we were made for one another's uses, as the inferior ranks of creatures are for ours.”

From *Second Treatise of Government* (1690)

Equality before God

Whether we consider natural reason, which tells us, that men, being once born, have a right to their preservation, and consequently to meat and drink, and such other things as nature affords for their subsistence: or revelation, which gives us an account of those grants God made of the world to Adam, and to Noah, and his sons, it is very clear, that God, as king David says, Psal. cxv. 16. has given the earth to the children of men; given it to mankind in common.

--Second Treatise

Equal access to God's word

.... every man ought sincerely to inquire into himself, and by meditation, study, search, and his own endeavours, attain the knowledge of, cannot be looked upon as the peculiar possession of any sort of men. Princes, indeed, are born superior unto other men in power, but in nature equal. Neither the right nor the art of ruling does necessarily carry along with it the certain knowledge of other things, and least of all of true religion. For if it were so, how could it come to pass that the lords of the earth should differ so vastly as they do in religious matters?

--Letter on Toleration

Sovereign Individuals

"The care of souls cannot belong to the civil magistrate, because his power consists only in outward force; but true and saving religion consists in the inward persuasion of the mind, without which nothing can be acceptable to God. And such is the nature of the understanding, that it cannot be compelled to the belief of anything by outward force. [...] And upon this ground, I affirm that the magistrate's power extends not to the establishing of any articles of faith, or forms of worship, by the force of his laws. For laws are of no force at all without penalties, and penalties in this case are absolutely impertinent, because they are not proper to convince the mind."

--A Letter Concerning Toleration (1689)

Sources of individual rights

- Workmanship: we are equally God's property
- Ownership: God gave the world to mankind in common
- Equal Access to God's Word
- Sovereign individuals

- >> The INDIVIDUAL right to resist