

## FILOSOFIE | PHILOSOPHY

Aristoteles - Overgeleverde werken / Remaining works (ca. 350 v. Chr.)  
Ayn Rand - For the New Intellectual (1961)  
Ayn Rand - Philosophy: Who Needs It (1982)  
The Ayn Rand Lexicon by Harry Binswanger (1988)  
Leonard Peikoff - Objectivism: The Philosophy of Ayn Rand (OPAR) (1991)

### METAFYSICA | METAPHYSICS

Aristoteles - De eerste filosofie (The Metaphysics) (ca. 350 v. Chr.)  
Ayn Rand - Galt's Speech (from Atlas Shrugged, 1957)  
Ayn Rand - The Metaphysical versus the Man-made (The Ayn Rand Letter, 1973) (Antologized in "Philosophy: Who Needs It")  
Leonard Peikoff - OPAR Chapter 1 & 2 (1991)

### ONTOLOGIE | ONTOLOGY (CATEGORY THEORY)

Aristoteles - Organon - Categories (ca. 350 v. Chr.)  
Simon Stevin - Dialectike ofte Bewysconst (1585)  
Leonard Peikoff - OPAR Chapter 1 (1991)

### EPISTEMOLOGIE | EPISTEMOLOGY

#### ZINTUIGEN, PERCEPTIE & NEUROLOGIE | SENSES, PERCEPTION & NEUROLOGY

John Locke - An Essay Concerning Human Understanding (1690)  
Gestalt psychologists (~1900), Wilhelm Wundt (~1900)  
Santiago Ramón y Cajal - Selected works on neurology (1890s - 1930s)  
Torsten Wiesel and David Hubel (visual perception) (1960s -1980s)  
Georg von Békésy (auditive perception, inner ear) (1940s -1960s)

#### CONCEPTFORMATIE EN TAAL | CONCEPT FORMATION AND LANGUAGE

Aristoteles - Organon - On Interpretation (ca. 350 v. Chr.) (logical grammar)  
Aristoteles - Organon - Topics (ca. 350 v. Chr.)  
Erasmus/H.L. Spiegel/Kiliaan/Stevin  
Ayn Rand - An Introduction to Objectivist Epistemology (1979)  
Leonard Peikoff - OPAR Chapter 3 (1991)  
Leonard Peikoff - Principles of Grammar (lectures 1981, book 2020)

### LOGICA | LOGIC

Aristoteles - Organon - Prior Analytics (ca. 350 v. Chr.) [from the former = deduction]  
Aristoteles - Organon - Posterior Analytics (ca. 350 v. Chr.) [from the latter = induction]  
Aristoteles - Organon - On Sophistical Refutations (ca. 350 v. Chr.) [fallacies]  
H.L. Spiegel - Ruygh-bewerf vande Redenkaveling / ófte Nederduytsche Dialectike (1585)  
Simon Stevin - Dialectike ofte bewysconst (1585)  
Francis Bacon - Novum Organon (The New Organon) (1620)  
John Herschell - A Preliminary Discourse on the Study of Natural Philosophy (1880)  
William Whewell - The Philosophy of the Inductive Sciences, founded upon their history (1840)  
William Whewell - Novum Organon renovatum (1858)  
David Harriman & Leonard Peikoff - The Logical Leap: Induction in Physics (2010)

### WISKUNDE | MATHEMATICS

Euclid - Elements (ca 300 v. Chr.)  
Archimedes - Codex A en B (ca 300 v. Chr.)  
Al-Kwarizmi - Al-jabr (Algebra) (ca. 820)  
Al Kwarizmi - The Compendious Book on Calculation by Completion and Balancing (al-Kitāb al-mukhtaṣar fī ḥisāb al-jabr wal-muqābala)(ca. 820)  
Fibonacci - Liber Abaci (ca. 1200)  
Luca Pacioli - Summa de arithmetica, geometrica, proportioni et proportionalita (1494)  
Simon Stevin - Beghinselen der Weeghconst (1586), De Beghinselen des Waterwichts (1586)  
Simon Stevin - De Thiende (1585)  
Simon Stevin - Wisconstighe Ghedachtenissen (1605/08)  
René Descartes - Discours de la méthode pour bien conduire sa raison et chercher la vérité dans les sciences (1637)  
Gottfried Leibniz - Nova Methodus pro Maximis et Minimis, itemque tangentibus, qua nec fractas, nec irrationales quantitates moratur, et singulare pro illi calculi genus (1684)  
Isaac Newton - Philosophiae Naturalis Principia Mathematica (1687)  
Christiaan Huygens - Traité de la lumière (1690)  
Isaac Newton - Arithmetica Universalis (1707)  
Leonhard Euler - Elements of Algebra (1765)  
Pascal, Fermat, Gauss, Fourier, Riemann, Galois, Laplace, Weierstrass, a.o.  
Kurt Gödel - Über formal unentscheidbare Sätze der Principia Mathematica und verwandter Systeme (on mathematical axiomatic incompleteness) (1931)  
Richard Feynman - Selected Scientific Works (1942 (thesis) - ca. 1988) (method for calculating probability amplitudes a.o.)  
Gregory Chaitin - Meta Math (2006) (on irreducibility/proofs of the uncompressability of random numbers)

## **ETHIEK | ETHICS**

Aristoteles - Ethica (ca. 350 v. Chr.)  
Erasmus - Antibarbari (ca. 1493)  
Erasmus - Lof der Zotheid (ca. 1509)  
John Locke - Letters concerning Toleration (1689-1692)  
Ayn Rand - The Virtue of Selfishness (1964)  
Tara Smith - Ayn Rand's Normative Ethics (2006)  
Leonard Peikoff - Why Act on Principle? (2024)

## **POLITIEK | POLITICS**

Aristoteles - De Staatsregeling van Athene / The State of Athens (ca. 350 v. Chr.)  
Niccolò Machiavelli - Il Principe (1513 - 1515)  
Niccolò Machiavelli - Discorsi sopra la prima deca di Tito Livio (1519)  
Simon Stevin - Het Burgherlick Leven (Vita Politica) (1590)  
Hugo de Groot [Grotius] - De iure praedae (over het buitenrecht) (1604)  
Hugo de Groot [Grotius] - De iure belli ac pacis (over het recht van oorlog en vrede) (1604)  
John Locke - Two Treatises of Government (1689)  
Charles Montesquieu - De l'Esprit des Lois (Over de Geest der Wetten / On the Spirit of Law) (1748)  
Hamilton, Madison and Jay - The Federalist Papers (1787, 1788)  
Declaration of Independence (1776), Constitution of the United States (1789), Bill of Rights (1791)  
Thomas Paine - The Rights of Man (1791, 1792)  
Unie van Utrecht (1579), Plakkaat van Verlatinghe (1581) Staatsregeling van het Bataafse Volk (1798)  
Frédéric Bastiat - La Loi (De Wet / The Law) (1850)  
Auberon Herbert - The Principles of Voluntaryism and Free Life (1885)  
Ayn Rand - Textbook of Americanism (1946)  
Ayn Rand - Capitalism: The Unknown Ideal (1966)  
Ayn Rand - The New Left: The Anti-Industrial Revolution (Return of the Primitive) (1971)  
Lawrence Lessig - The Laws of Cyberspace (1998)

## **KRIJGSKUNST | ART OF WAR**

Sun Tzu - The Art of War / De Kunst van het Oorlogvoeren (~5e eeuw v. Chr.)  
Marco Aurelio de Pasino - Discours sur plusieurs points de l'architecture de guerre  
Simon Stevin - The Art of War / De Krygskonst (1594)  
Clausewitz - Vom Kriege (On War)(1832)  
Ayn Rand - The Roots of War (Anthologized in "Capitalism: The Unknown Ideal" (1966, 1967)  
Yaron Brook & Alex Epstein - 'Just War Theory' vs. American Self-Defense (2006)  
John David Lewis - Nothing Less than Victory (2010)

## **ESTHETIEK | ESTHETICS**

Aristoteles - Poetica (ca. 350 v. Chr.)  
Leonardo da Vinci - Verhandeling over de schilderkunst [m.b.t. theorie: doorzichtkunde, ontleedkunde, gezigtkunde (optica), proportie (evenredigheid), reflectie (weerschijsningen), agrouperen, licht, schaduw, kleur...] (first published in France, 1651)  
Ayn Rand - The Romantic Manifesto (1979)

## **NATUURWETENSCHAP | NATURAL SCIENCES**

### **NATUURKUNDE | PHYSICS**

Aristoteles - Physica (o.a. vaststelling aarde is rond) (ca. 350 v. Chr.)  
Eratosthenes - (...)  
Leonardo DaVinci - Codex Atlanticus (1479 - 1519) (DaVinci's werk is o.a. het begin van de anatomie)  
Leonardo DaVinci - Codex Leicester (1508 - 1510) (DaVinci's studies naar o.a. licht)  
Christiaan Huygens - Traité de la lumière (1690)  
Isaac Newton - Opticks (1704)  
Michael Faraday - Experimental researches in Electricity and Magnetism (3 dln. 1839; 1844; 1855)  
J.C. Maxwell - A Treatise on Electricity and Magnetism (Parts I-IV) (1873)  
Max Planck - Zur Theorie des Gesetzes der Energieverteilung im Normalspektrum (1900)  
Albert Einstein's vier artikelen in diens Annus mirabilis ('Einstein's wonderjaar') (1905)  
Westinghouse Company - The Great Electromagnetic Spectrum (1930)  
Carl David Anderson - The Positive Electron (Physical Review. 43 (6): 491-494)(1933)  
Dirac (1927 Dirac equation), Pauli, Heisenberg - Quantum Electrodynamics (1928)  
Richard Feynman et al - Quantum-Electrodynamics (1948)  
Standard Model of Physics (1970-1973)  
Superfluidity of Helium (1971)  
Richard Feynman proposes quantum computing (1980)  
Gravitational waves are observed (2015)

### **SCHEIKUNDE | CHEMISTRY**

Paracelsus  
Robert Boyle - The Sceptical Chymist (scheikunde als eigen tak van wetenschap / chemistry as special scientific discipline) (1660)  
D. Mendeleev - Ueber die Beziehungen der Eigenschaften der Atomgewichte der Elementen (Zeitschrift für Chemie. v.12) (1869)  
Ernest Rutherford - Rutherford atoommodel (1911)  
Niels Bohr - On the Constitution of Atoms and Molecules (London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science (July 1913)  
Marie Curie - The Discovery of Radium (Address at Vassar College)(1921)

## BIOLOGIE | BIOLOGY

Aristoteles - On Animals (Over Dieren) (ca. 350 v. Chr.)  
Pliny the Elder / Plinius de Oudere - Naturalis Historia (halverwege 1e eeuw na Chr.)  
Leonardo da Vinci - Codex Leicester (anatomisch wetenschappelijke teksten en tekeningen) (ca. 1507)  
Robert Hooke - Micrographia: or Some Physiological Descriptions of Miniature Bodies Made by Magnifying Glasses (1664)  
Antoni van Leeuwenhoek - Verzamelde werken (o.a. Den Waaragtigen Omloop des Bloeds, ontdekking van protisten, e.a.)  
Charles Darwin - On the Origin of Species (1859)

## GEOLOGIE, HYDROLOGIE en ATMOSFERISCHE WETENSCHAP | GEOLOGY, HYDROLOGY and ATMOSPHERIC SCIENCE

Leonardo da Vinci - Codex Leicester (geologie en hydrologie, study of fossils, water in motion, rivers, erosion of riverbanks - calls Earth 'the body of the Earth' compares to a human body system)  
Gottfried Wilhelm Leibniz - Protogaea (birth of modern geology in the 17th-18th century (had copy of Codex Leicester)  
Thomas Cook (Earl of Leicester) (Codex owner, named after the Earl)  
William Hamilton, Campi Phlegraie, Naples 1776-9 (had copy of leicester)(on dramatic eruptions of vesuvius)  
Giambattista Venturi - Essai sur les ouvrages Physico-Mathématiques de Léonard de Vinci (Paris, 1797) (owner of copy codex)  
Johann Wolfgang Goethe, Weimar 1817-1818 (owner of copy codex)  
Simon Stevin - Beghinselen des Waterwichts (principe van Pascal al ontdekt door Stevin, hydrostatica) (1586)

## PLANEETKUNDE | PLANETARY SCIENCE

Petrus Plancius - Maps/Kaarten  
Köppen/Geiger - Handbuch der Klimatologie (1940+)  
Alex Epstein - Fossil Future (2022)

## STERREKUNDE | ASTRONOMY

Leonardo da Vinci - Codex Leicester (relation of light of the sun on the bodies of the earth and the moon, surface rebounds, material of the moon itself, not as shiny alabaster-like substance, but similar to the Earth, as well as 'how do we see it' with eye) (ca. 1507)  
Nicolaï Copernici - De hypothesibus motuum coelestium a se constitutis commentariolus (Commentariolus) (ca. 1514)  
Tycho Brahe - De Nova Stella (over zijn observatie van een supernova) (1572)  
Johannes Kepler - Mysterium cosmographicum (1596)  
Simon Stevin - De Hemelloop (1608)  
Willebrord Snel van Royen [Snellius] - Eratosthenes Batavus (1617)  
Galileo Galilei - Dialogo di Galileo Galilei sopra i due Massimi Sistemi del Mondo Tolemaico e Copernicano (1632)  
Isaac Newton - Philosophiæ Naturalis Principia Mathematica (1687)  
Christiaan Huygens - Cosmotheoros (1698)  
Albert Einstein - On the Generalized Theory of Gravitation (published in Scientific American) (1950)  
Frederic Hoyle - Frontiers of Astronomy (1955)

William Whewell - History of the Inductive Sciences, from the Earliest to the Present Times (1837)

## VOEDINGSWETENSCHAP | NUTRITIONAL SCIENCE

Justus von Liebig - Researches on the Chemistry of Food (1847)  
Philippe Cauderlier - La santé par les aliments pour vivre de 50 à 80 ans et plus (1882)  
John Harvey Kellogg - New Dietetics: A Guide to Scientific Feeding in Health and Disease (1927)

## GENEESKUNDE | MEDICINE

Hippocrates - Corpus Hippocraticum (ca. 400 v. Chr.)  
Leonardo da Vinci - Anatomische werken, o.a. Codex Leicester (basis voor latere westerse geneeskunde) (ca. 1500)  
Parcelsus - Verzamelde werken (ca. 1550)  
Nicolaes Tulp - Observationes Medicae (1641)  
Fleming, Chain and Florey - Discovery and isolation of Peniciline (1940-45)

## MATERIAALWETENSCHAPPEN | MATERIAL SCIENCES

Vitruvius - De Architectura libri decem (ca. 50 v. Chr.) (Book II on building materials)

## BOUWKUNDE | ARCHITECTURE

Vitruvius - De Architectura libri decem (ca. 50 v. Chr.)  
Plinus de Oudere - Naturalis Historia (halverwege 1e eeuw na Chr.)  
Luca Pacioli - Pacioli's traktaat 'Over de Architectuur'  
Simon Stevin - De Stercktenbouwing (1594)  
Simon Stevin - De Huysbou (onafgerond) (ca. 1608/20) (uitgegeven in bewerkte editie door Charles van den Heuvel)  
Frank Lloyd Wright - Organic Architecture (ca. 1950)  
Bernard Rudofsky - Architecture Without Architects (MoMA-publicatie 1964)

## MACHINEBOUW | MACHINE ENGINEERING

Vitruvius - De Architectura libri decem (ca. 50 v. Chr.) (Book X on machine building)  
Leonardo da Vinci - Codex Madrid I (1490 - 1505)  
Simon Stevin - Collected works on Mechanics (1586)  
Thomas Savery - Invention of the steam pump (1698)

## COMMUNICATIEWETENSCHAP | COMMUNICATION SCIENCE

Heinrich Hertz - Leyden Jar experiment, proving the existence of electromagnetic waves as proposed by Maxwell (1886)  
Guglielmo Marconi - First used radio waves to transmit signals over a large distance (1895)  
Theodore Mainman - First laser built (1960)

## INFORMATIE- EN COMPUTERWETENSCHAP | INFORMATION- AND COMPUTER SCIENCE

George Boole - The Mathematical Analysis of Logic (1847) [intro to boolean algebra]  
George Boole - An Investigation of the Laws of Thought on Which are Founded the Mathematical Theories of Logic and Probabilities (1854) [further working out of boolean algebra]  
Claude Shannon - A symbolic analysis of relay and switching circuits (1936)  
Alan Turing - On Computable Numbers, with an application to the Entscheidungsproblem (1936)  
Whitfield Diffie - New directions in cryptography (with Martin Hellman, on public key cryptography) (1976)  
First laboratory implementation of quantum cryptography (1984)  
Peter Shor - Algorithms for quantum computation: Discrete logarithms and factoring (1994)  
Lov Grover - A fast quantum mechanical algorithm for database search (1996)

## HUMANISTIEK | HUMANISTIC SCIENCES

### FYSIOLOGIE | PHYSIOLOGY

Leonardo da Vinci - Codex Leicester (anatomisch wetenschappelijke teksten en tekeningen) (ca. 1507)  
Andries van Wezel - De Humani Corporis Fabrica Libri Septem (refutation of Hippocrates and Galen) (1543)

### ECONOMIE | ECONOMICS

Ludwig von Mises - Nationalökonomie (1940)  
Isabel Paterson - The God of The Machine (1943)  
Ayn Rand - Capitalism: The Unknown Ideal (1966)  
Massin, O., Tieffenbach, E. - The metaphysics of economic exchanges (Journal of Social Ontology 3(2), 167-205 (2016)

### PEDAGOGIEK EN DIDACTIEK | PEDAGOGY AND DIDACTICS

Maria Montessori - Dr. Montessori's Own Handbook (1914)  
Leonard Peikoff - Why Johnny Can't Think (1984)  
Leonard Peikoff - A Rational Curriculum (1986)  
K. Kuoni - Principles supporting the perceptual teaching of physics (2010)

### PSYCHOLOGIE | PSYCHOLOGY

Gestalt psychologists (late 19th/early 20th century)  
Wilhelm Wundt (1900)  
Charles Spearman - The Abilities of Man, Their Nature and Measurement (1927)  
Benjamin Bloom - Taxonomy of Educational Objectives (1949 - 1953)  
Ayn Rand - The Art of (Non)Fiction (deals with psychology, how the conscious and the subconscious relate and operate) (1969)

### GESCHIEDENIS | HISTORY

Titus Livius (Livy) - Ab Urbe Condita (History of Rome) (ca. 9 v. Chr.)  
Eusebius of Caesarea - Chronicon (ca. 4th century)  
Isabel Paterson - The God of The Machine (1943)  
Leonard Peikoff - Founders of Western Philosophy: Thales to Hume (lectures 1972, book 2023)  
Leonard Peikoff - The Ominous Parallels (1982)  
Russell Shorto - The Island at the Center of the World (2004)

### TELEOLOGIE | TELEOLOGY

Leonard Peikoff - Why Act on Principle? (essays from 90s, book 2024)  
Tara Smith - Ayn Rand's Normative Ethics: The Virtuous Egoist  
Tara Smith - Egoism Without Permission: The Moral Psychology of Ayn Rand's Ethics

### FINANCE | FINANCE

Luca Pacioli - Summa de arithmetica, geometrica, proportioni et proportionalita (1494)  
Simon Stevin - Tafelen van interest  
Simon Stevin - Handelsrekenen  
Robert C. Merton - The Global Financial System: A Functional Perspective (The Journal of Finance) (1995)  
Satoshi Nakamoto - Bitcoin: A Peer to Peer Electronic Cash System (2008)  
Willi Brammertz - Unified Financial Analysis, The Missing Links of Finance (2009)  
Michael Saylor - What is Money (series 2020, book 2022)

### KUNST | FINE ARTS

Leonard Peikoff - Eight Great Plays (1993)  
Yaron Brook - The Artists Have No Clothes (Is "Modern Art" Art?) (2022)

### OPVOEDING EN ONDERWIJS | UPBRINGING AND EDUCATION

Maria Montessori - The Montessori Method: Scientific Pedagogy as Applied to Child Education in the Children's Houses (1912)  
K. Kuonen - Principles for the Perceptual Teaching of Physics (2010)

### TOEGEPASTE PSYCHOLOGIE | APPLIED PSYCHOLOGY

Fur/Bacharach - Psychometrics: An Introduction (2013)

### JOURNALISTIEK EN MEDIA | JOURNALISM AND MEDIA

Ayn Rand - The Art of Non-Fiction (1969)

### SOCIOLOGIE | SOCIOLOGY

Robert K. Merton - Social Theory and Social Structure (1949)

# De Reis van Kennis (of De Reis van Aristoteles) | The Journey of Knowledge (or The Journey of Aristotle)

Van Aristoteles tot Rand en Feynman | From Aristotle to Rand and Feynman

