

Logical-Mathematical Intelligence

This intelligence has to do with logic, abstractions, inductive and deductive reasoning, and numbers. While it is often assumed that those with this intelligence naturally excel in mathematics, chess, computer programming and other logical or numerical activities, a more accurate definition places emphasis less on traditional mathematical ability and more reasoning capabilities, abstract pattern recognition, scientific thinking and investigation, and the ability to perform complex calculations.

You probably have a gift for Logical-Mathematical Intelligence if you:

- Enjoy solving mathematical/logical problems
- Enjoy conducting scientific experiments
- Like investigating things deeply
- Are an abstract, logical thinker
- Can easily calculate numbers in your head
- Are good at math and science
- Are good at researching
- Are good at strategy games (like chess)
- Have a mind "like a computer"
- Learn best by logic and reason
- Look for patterns and rational explanations
- Like to organize things into categories
- Wonder about and enjoy learning how things work

Sample Logical-Mathematical Leisure Activities

- Analyzing stock portfolios
- Balancing checkbook and budgeting finances
- Collecting things
- Conducting experiments or doing research
- Going to a science museum
- Learning astronomy
- Playing card games (especially Bridge)
- Playing chess or other games of strategy
- Playing with a chemistry set
- Putting things in order around the house
- Reading science magazines (like Scientific American or American Scientist)
- Solving logic puzzles (like Sudoku)
- Using/discussing computers
- Watching scientific documentaries on TV
- Working on a math or science project

People who are famous for their Logical-Mathematical Intelligence

- Albert Einstein
- Alexander Fleming
- Archimedes
- Aristotle
- Benjamin Franklin
- Bill Gates
- Blaise Pascal
- Enrico Fermi
- Galileo Galilei
- Gottfried Wilhelm Leibniz
- Gregor Mendel
- Hippocrates
- Johannes Kepler
- John Stuart Mill
- Karl Marx
- Linus Pauling
- Louis Pasteur
- Marie Curie
- Michael Faraday
- Nicolaus Copernicus
- Niels Bohr
- Pythagoras
- René Descartes
- Robert Boyle
- Sir Isaac Newton
- Stephen Hawking
- Thomas Edison

There are numerous applications of the multiple intelligences system. The most popular application of multiple intelligences is in education, to nurture all the different kinds of intelligence in children. There are many wonderful books written about teaching and learning through the multiple intelligences so if that is an interest of yours I will refer you to my [Multiple Intelligences References](#) section for that information. My interest lies in using multiple intelligences for vocational guidance and relationship compatibility so that is what I will focus on here in this description.

People are naturally drawn to careers that make use of their giftedness. It is obvious that people like to do what they enjoy and are good at. What follows are some careers that make use of the Logical-Mathematical intelligence as well as Logical-Mathematical intelligence combined with other intelligences.

Careers that Especially Utilize Logical-Mathematical Intelligence

- Any occupation that requires highly developed math, science, technical, or logical skills
- Accountant
- Actuary
- Anesthesiologist
- Astronomer
- Audiologist
- Auditor
- Bank officer/teller
- Biologist
- Bookkeeper
- Budget analyst
- CFO (Chief Financial Officer)
- Chemist
- City planner
- Compensation and benefits analyst
- Computer analyst
- Computer programmer
- Computer security specialist
- Computer software applications engineer
- Computer support analyst
- Computer systems analyst
- Computer systems software engineer
- Coroner
- Cost estimator
- Credit analyst
- Database administrator
- Detective/private investigator
- Economist
- Electrician
- Engineer
- Epidemiologist
- Financial advisor/planner
- Financial aid officer
- Financial clerk/teller
- Financial examiner
- Financial manager
- Financial/investment analyst
- Foreign-exchange teller
- Forensic science technician
- Geodesist
- Geologist
- Health diagnosing/treating practitioner (any)
- Health technician (any)
- Health technologist (any)
- Insurance adjuster/examiner/investigator
- Insurance underwriter
- Internist
- Investment broker
- Lawyer
- Loan officer/mortgage broker
- Logician
- Materials scientist
- Math teacher
- Mathematician
- Medical scientist
- Medical technologist/technician
- Network systems and data communications analyst
- Numerologist
- Obstetrician or gynecologist
- Operations research analyst
- Optometrist
- Pharmacist
- Pharmacologist
- Physician/doctor
- Physicist
- Purchasing agent
- Real estate appraiser/assessor
- Real estate developer
- Records clerk
- Research and development specialist
- Respiratory therapist
- Science teacher
- Scientist
- Statistician
- Stock broker
- Tax auditor
- Tax examiner or collector
- Tax preparer
- Treasurer/controller
- Venture capitalist

Sample Job Skills

- Accounting
- Analyzing
- Auditing
- Balancing budgets
- Budgeting expenses
- Calculating
- Categorizing information
- Classifying information
- Compiling statistics
- Computing solutions
- Counting
- Diagnosing
- Doing economic research
- Estimating
- Experimenting
- Financing
- Gauging probabilities
- Hypothesizing
- Investing
- Measuring
- Ordering (putting in order)
- Preparing tax forms
- Problem solving
- Programming computers
- Quantifying materials
- Questioning
- Reasoning
- Seeing patterns and relationships
- Sequencing
- Sizing
- Surveying land areas
- Systematizing

Sample Careers that Utilize Logical-Mathematical Intelligence with Other Intelligences

Logical-Mathematical and Verbal-Linguistic

- Accounting teacher
- Agricultural sciences teacher
- Anthropology teacher
- Archeology teacher
- Archivist
- Astronomy professor
- Atmospheric, earth, marine and space sciences teacher
- Bookkeeping instructor
- Chemistry teacher
- Computer science teacher
- Curator
- Economics teacher
- Educational software developer
- Engineering professor
- Genealogist
- Geography teacher
- Historian
- Lawyer
- Logic puzzle book author
- Math teacher
- Paralegal
- Physician
- Physics teacher
- Political science teacher
- Reporter/correspondent
- Sales engineer
- Science and medical writer
- Science teacher
- Statistics teacher
- Technical writer

Logical-Mathematical and Visual-Spatial

- Architect
- Atmospheric and space scientist
- Automobile mechanic
- Cartographer
- Electrician
- Engineer (any)
- Geodesist
- Geophysicist
- Real estate developer
- Surgeon
- Surveyor
- Urban and regional planner

Logical-Mathematical and Bodily-Kinesthetic

- Fire investigator
- Sports medicine doctor
- Surgeon

Logical-Mathematical and Musical-Rhythmic

- Acoustics physicist
- Music archivist
- Music critic

Logical-Mathematical and Interpersonal

- Bank manager
- Chiropractor
- Computer and information systems manager
- Dentist/Orthodontist/Prosthodontist
- Engineering manager
- Financial manager
- Health technician
- Health technologist
- Loan officer/mortgage broker

- Loan/credit counselor
- Market research analyst
- Natural sciences manager
- Pediatrician
- Physician assistant
- Real estate broker
- Stock broker

Logical-Mathematical and Intrapersonal

- Philosopher
- Psychiatrist

Logical-Mathematical and Naturalist

- Agricultural engineer
- Animal scientist
- Archaeologist
- Environmental compliance inspector
- Environmental scientist
- Geoscientist
- Meteorologist
- Natural scientist
- Soil and plant scientist
- Soil engineer
- Veterinarian
- Wildlife biologist
- Zoologist

Sample Logical-Mathematical Majors in School

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| • Accounting | • Computer science | • Mathematics |
| • Artificial intelligence and robotics | • Criminal science | • Medicine |
| • Astronomy | • Economics | • Molecular genetics |
| • Astrophysics | • Engineering | • Neuroscience |
| • Atmospheric science | • Finance | • Philosophy |
| • Chemical physics | • Forensic science | • Physics |
| • Chemistry | • Genetics | • Sciences |
| | • Geophysics | • Statistics |