

BRAINSPARK PRESENT



DMIT – THE SCIENCE BEHIND IT

THE MOST SCIENTIFIC WAY TO TO KNOW YOUR CHILD: Know Your Child's

- ❖ INBORN TALENT
- ❖ STRENGTH AND WEAKNESS
- ❖ RIGHT BRAIN LEFT BRAIN ANALYSIS
- ❖ EIGHT DIFFERENT INTELLIGENCE LEVEL
- ❖ LEARNING STYLES
- ❖ CAREER OPTION

WHAT IS FINGER PRINT ANALYSIS



DERMATOGLYPHICS MULTIPLE INTELLIGENCE

IT'S A SCIENTIFIC WAY TO MEASURE YOUR CHILD'S

- ❖ INBORN TALENTS
- ❖ BASIC NATURE OF YOUR CHILD
- ❖ STRENGTH AND WEAKNESS
- ❖ RIGHT BRAIN LEFT BRAIN ANALYSIS
- ❖ LEARNING STYLE
- ❖ IMPROVEMENT TIPS
- ❖ PARENTING GUIDANCE
- ❖ CARRIER GUIDANCE



SO, HOW MANY INTELLIGENCE EACH CHILD HAVE?

- ❖ LOGICAL INTELLIGENCE
- ❖ LINGUISTIC INTELLIGENCE
- ❖ INTRA PERSONAL INTELLIGENCE
- ❖ INTERPERSONAL INTELLIGENCE
- ❖ VISUAL INTELLIGENCE
- ❖ KINESTHETIC INTELLIGENCE
- ❖ MUSICAL INTELLIGENCE
- ❖ NATURALIST INTELLIGENCE

Need of D.M.I.T. in India

- **14,000+ students** commit suicides in India every year due to exam related stress
- Research proves that 80% of the students are under stress
- Another research proves that parents are the key reason for this
- MIT can provide crucial inputs for student counseling and guidance



iQuit.

The Multiple Intelligences

By : Howard Gardner

Graduated from Boston School of Medicine in Neurology.
Harvard Graduate School professor and psychologist in
cognition and education.

Author of a famous book- ***“Frames of Mind” in 1983***

What is Multiple Intelligence?

The theory of multiple intelligences is Howard Gardner's theory that proposes that people are not born with all of the intelligence they will ever have. It says that intelligence can be learned throughout life. Also, it claims that everyone is intelligent in at least seven different ways and can develop each aspect of intelligence to an average level of competency. Intelligence, as defined by Gardner, is the ability to solve problems or fashion products that are valuable in one or more cultural settings.



Howard Gardner
1943-

Frames of Mind, 1983

Each person is a unique blend of dynamic intelligences which grow, expand and develop throughout life.

Rarely do they work alone, rather intelligences are combined in our activities. One can enhance another

Intelligence is not singular. Multiple intelligences can be identified and described.

Teaching students about their intelligence strengths helps them be self-advocates in their learning.

MULTIPLE INTELLIGENCES

- Linguistic intelligence ("word smart")
- Logical-mathematical intelligence ("number/reasoning smart")
- Spatial intelligence ("picture smart")
- Musical intelligence ("music smart")
- Bodily-Kinaesthetic intelligence ("body smart")
- Interpersonal intelligence ("people smart")
- Intrapersonal intelligence ("self smart")
- Naturalist intelligence ("nature smart")

LINGUISTIC INTELLIGENCE

Gardner's Definition:

Linguistic Intelligence (*Word Smart*) is the capacity to use language, your native language, and perhaps other languages, to express what's on your mind and to understand other people.

- Criteria Used for Linguistic Intelligence.
- Can understand words and manipulate the structure of language.
- Has highly developed communication skills including writing, speaking, and story-telling.
- Knows and correctly uses rules of grammar.
- Enjoys reading, writing, and speaking.
- Has a large vocabulary.

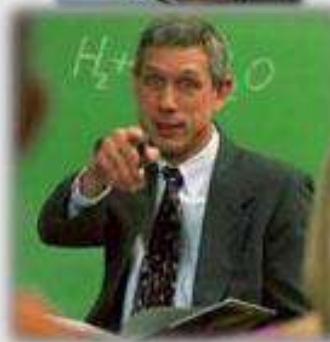
LINGUISTIC INTELLIGENCE

- Communication
- Speaking
- Reading
- Writing
- Listening
- Languages
- Verbal memory
- Syntax

Those who are not strong in this areas may struggle at their school work.

Preferred Career Options for high Linguistic Intelligence

- Author
- Journalist
- Poet
- Play writer
- Radio Announcer
- Anchor
- News Reader
- Speech Pathologist
(one who interprets)



- Typist
- Novelist
- Teacher
- Comedian
- Politician
- Orator
- Actor
- Etc.



ACTIVITIES THESE PEOPLE WOULD ENJOY

- ✓ Book reporting
- ✓ Telling jokes
- ✓ Writing words
- ✓ Reading
- ✓ Journal writing
- ✓ Speaking
- Letter writing
- Storytelling
- Discussing
- Creative writing
- Debating
- Persuading

LOGICAL MATHEMATICAL INTELLIGENCE



Logical-mathematical intelligence is the capacity to use numbers effectively and reason well. Someone who has this kind of intelligence is able to see cause and effect really well; also, they are able to identify a problem and solve it right there on the spot.

People with this intelligence think by reasoning, and they love experimenting, questioning, figuring out logical puzzles, and calculating.

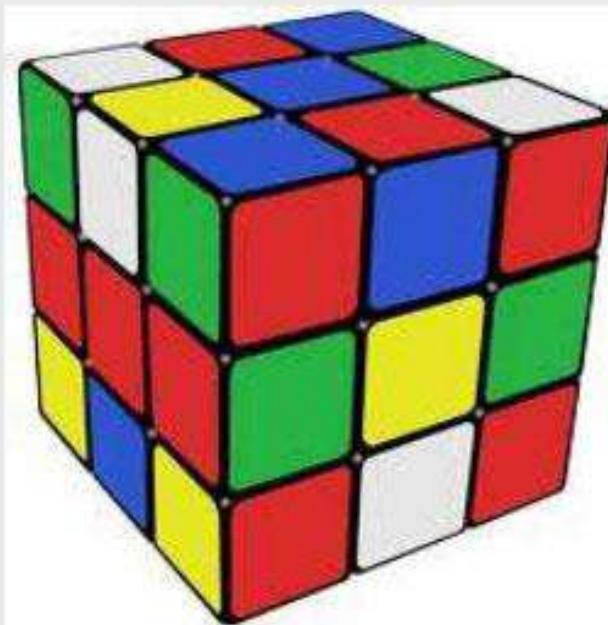


LOGIC SMART

LOGICAL MATHEMATICAL INTELLIGENCE



- Patterns
- Problem solving
- Logic
- Reasoning
- Numbers
- Recognition
- Scientific thinking
- Investigation
- Complex calculation



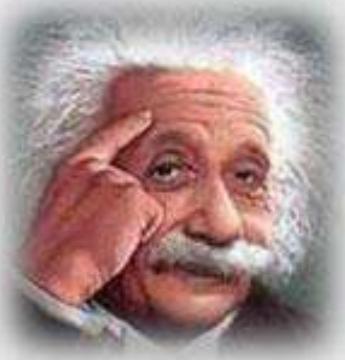
**This intelligence is very important at school,
and in taking standardized tests**

LOGIC SMART



Preferred Career Options for high Mathematical Intelligence :

- Accountant
- Actuary
- Auditor
- Banker
- Bookkeeper
- Businessperson
- Computer Analyst
- Computer Programmer
- C A



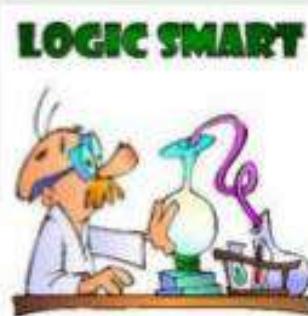
- Economist
- Legal Assistant
- Mathematician
- Purchasing Agent
- Science Researcher
- Science Teacher
- Statistician
- Technician
- Underwriter



ACTIVITIES THESE PEOPLE WOULD ENJOY



- Analyzing
- Categorizing
- Formulas
- Logic Games
- Numbers
- Outlining
- Patterns
- Problem Solving
- Reasoning
- Time Lines
- Synthesis
- Sequencing
- Rational Thinking
- Scientific Thinking
- Venn Diagrams
- Statistics



SPATIAL INTELLIGENCE

Spatial intelligence is the brain's ability to perceive and interpret visual stimuli. In other words, it's how our minds process what we see. Although not very recognized, spatial intelligence is very important in the arts and in everyday life.



SPATIAL INTELLIGENCE IMPORTANCE



The way that we visually perceive and interpret the world around us is an important quality to have. In the arts, the ability to transfer a vision to a painting, sculpture, or film is a key quality. Careers such as architecture, require a person to transfer a vision of a structure into a blueprint. Spatial intelligence is even used by average people to remember small, but important facts; like how to travel from your school to your house. Everyone uses spatial intelligence in everyday life.

Understanding of;

- Shape/Design
- Colour
- Distance
- Speed



SPATIAL INTELLIGENCE

- Sketch
- Mental Image
- Strong Visual Memory
- Sense of Direction
- Hand-eye co-ordination
- Space
- Distance
- Measurement
- Photography
- Imagination
- Visualization

These people are visionary and often are lost in their on thought, ideas and imagination.

3D Spatial

Preferred Career Options for high Spatial Intelligence

- Pilot
- Space Scientist
- Architect
- Cartographer (Map maker)
- Draftsman
- Civil Engineer
- Fine Artist
- Graphic Designer
- Fashion Designer



- Interior Designer
- Inventor
- Painter
- Photographer
- Advertising Professional
- Sculptor
- Surveyor
- Urban Planner
- Wedding Planner

ACTIVITIES THESE PEOPLE WOULD ENJOY



- Brochures
- Collages
- Designs
- Drawings
- Flow Charts
- Mapping
- Moulding Clay
- Patterns
- Painting
- Photography
- Posters
- Pretending
- Sculpting
- Visualization
- Idea Sketching
- Labelling

3D Spatial

WHAT IS MUSICAL INTELLIGENCE ?

Being musically intelligent means that you are able to distinguish the sounds around you and that you have the ability to make your own melodies. Even if you are only singing a song or making music, you are using your musical intelligence!

If you are musically intelligent, you are able to:

- **Perceive**
- **Discriminate**
- **Transform**
- **Express**

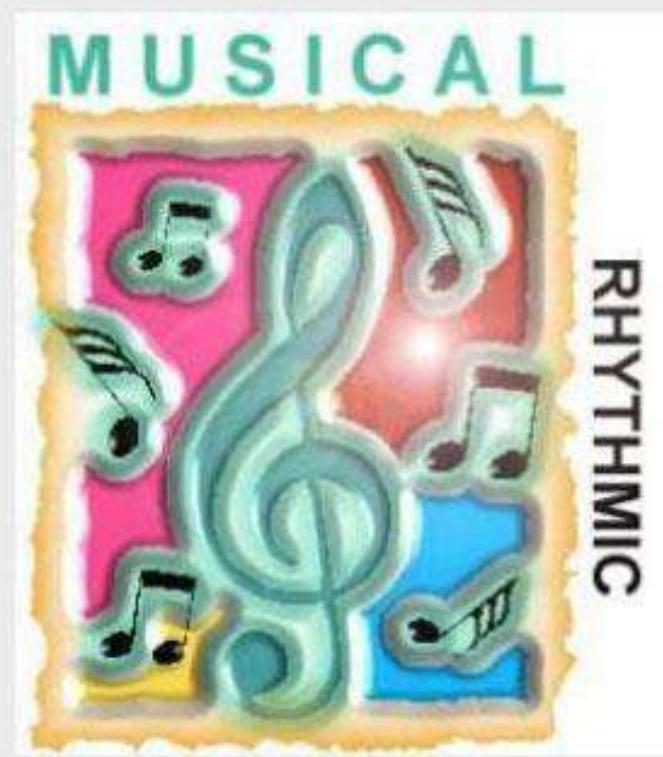
All kinds of musical forms



MUSICAL INTELLIGENCE



- Singing
- Rhythm
- Sound
- Voice
- Pitch
- Volume
- Tones
- Words
- Humming
- Listening



Exposure to music can help kids increase their coordination, understand their culture, relax, and even improve their mathematical skills!



Preferred Career Options for high Musical Intelligence



- Song Writer
- Performing Musician
- Piano Turner
- Singer
- Musical Theatre
- Actor
- Studio
- Engineer
- Instrument Manager
- Rapper
- Advertising Agent
- Conductor
- Disc Jockey
- Instrument Maker
- Composer
- Music Teacher
- Sound Engineer
- Music Therapist



WHAT IS BODILY KINAESTHETIC INTELLIGENCE ?

It is expertise in using one's whole body to express ideas and feelings.

Examples: acting, dancing, sports, and using body language

It is the ability to use one's hands to produce or transform things.

Examples: sculpting clay and hands-on learning



BODILY KINAESTHETIC INTELLIGENCE



- Hand Movement
- Body Movement
- Physical Activities
- Sport
- Dance
- Exercise
- Horse Riding
- Swimming
- Gym Lover

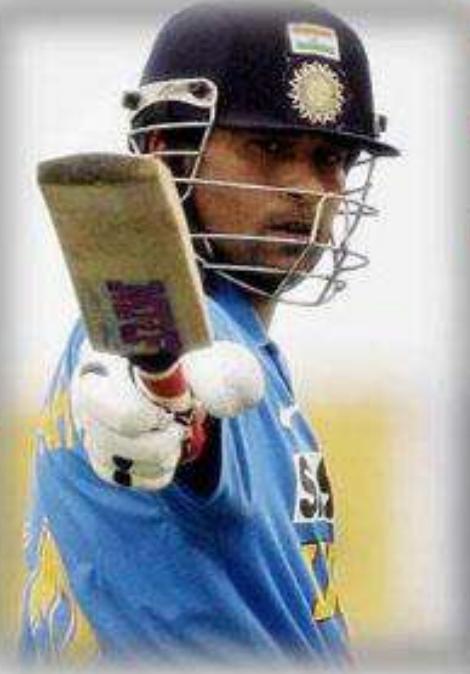


This intelligence is the key requirement for becoming a sports person or dancer.



Preferred Career Options for high Bodily Kinaesthetic Intelligence

- Cricketer
- Actor
- Athlete
- Dancer
- Choreographer
- Craftsmen
- Drama
- Inventor



- Mechanical Engineer
- P E Teacher
- Recreational Director



BODILY KINESTHETIC INTELLIGENCE

Thinking through physical sensations

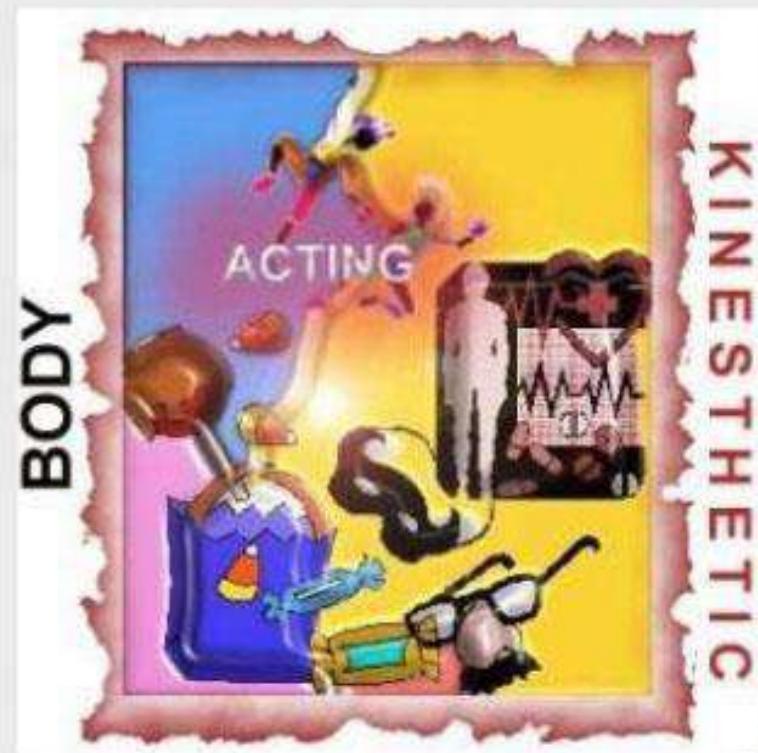


Love

- Dancing
- Running
- Jumping
- Building
- Touching
- Gesturing

Need

- Role play
- Drama
- Movement
- Things to build
- Sports and physical games
- Tactile (touchable) experiences
- Hands-on learning



INTERPERSONAL INTELLIGENCE



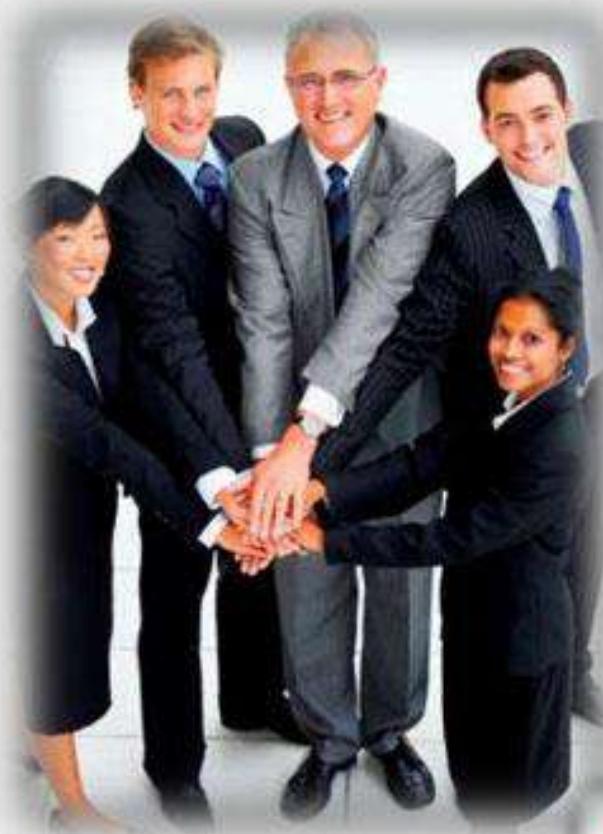
Gardner's Definition:

Interpersonal intelligence, (people smart), is understanding other people. It's an ability we all need, but is at a premium if you are a teacher, clinician, salesperson, or a politician. Anybody who deals with other people has to be skilled in the interpersonal sphere.



INTERPERSONAL INTELLIGENCE

- Understanding others
- Extroverts
- Social Workers
- Friendly
- Groups
- Leaders
- Speakers
- Discussion
- Debate

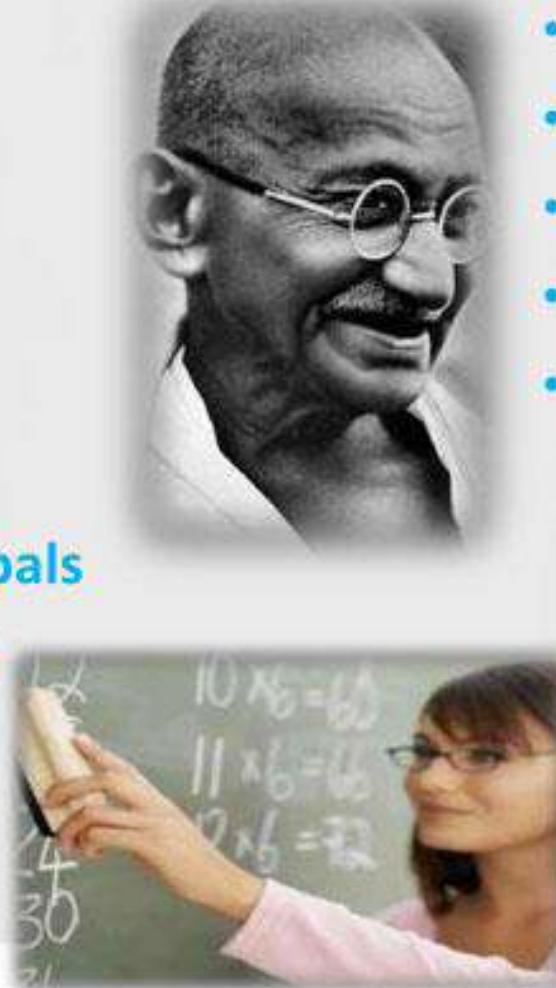


Either leaders or followers, they learn best by working with others and often enjoy discussion and debate



Preferred Career Options for high Interpersonal Intelligence

- Administrator
- Anthropologist
- Arbitrator
- Counsellor
- Nurse
- Politician
- Teachers/Principals
- Public Relations
- Salesperson
- Sociologist
- Therapist
- Travel Agent
- Religious Leader
- Psychologist/Doctors
- Multi-level Marketing



INTERPERSONALLY INTELLIGENCE PEOPLE ENJOY :

- Giving feedback to the teacher or to classmates
- Understanding other's feelings
- Person-to-person communication
- Cooperative learning strategies
- Receiving feedback
- Group projects
- Teaching someone else something new
- Learning from someone outside of school
- Other points of view
- Creating group rules
- Acting in a play or simulation
- Conducting an interview
- Creating "phone buddies" for homework
- Sensing others' motives
- Creating group rules



INTRAPERSONAL INTELLIGENCE



Intrapersonal intelligence is self-knowledge and the ability to act adaptively on the basis of that knowledge. This intelligence includes having an accurate picture of oneself (one's strengths and weaknesses); awareness of inner moods, intentions, motivations, temperaments, and desires; and the capacity for self-discipline, self-understanding, and self-esteem. Essentially, it's how well you know yourself.



INTRAPERSONAL INTELLIGENCE



- Self Understanding
- Introspective
- Self-reflective
- Introverts
- Emotional
- Perfection
- Self-centric
- Self-discipline
- Self-esteem



These people are self centric, goal oriented and driven by high emotional energy



Preferred Career Options for high Intrapersonal Intelligence

- Priest
- Spiritual Counsellor
- Entrepreneur
- Therapist
- Researcher
- Clergyman
- Yoga Teacher



Note: The intrapersonal Intelligence is less liable to define or suggest a certain career than any of the other intelligences since the ability of self awareness, self-discipline and self-improvement is applicable to any other careers as well

NATURALISTIC INTELLIGENCE

- ✓ Plants Lover
- ✓ Animal Lover
- ✓ Nature Lover
- ✓ Environment Centric
- ✓ Sight
- ✓ Scenery
- ✓ Smell
- ✓ Taste
- ✓ Feel
- ✓ Keen observation



The people with high Natural Intelligence will do anything in for nature and environment. Love to study in a garden or while sunrise.

Preferred Career Options for high Natural Intelligence

- Veterinary
- Animal Scholar
- Archaeology
- Plants Scholar
- Chef/Cook
- Courtyard
- Designer
- Environment Researcher

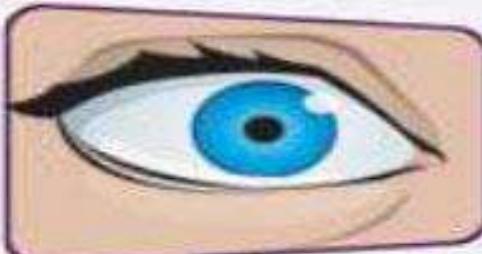


- Horticulturalist
- Forest Officer
- Zoo Operator
- Weather Researcher
- Documentary Producer
- Animal Protection Activist



LEARNING STYLES

We learn new things by three ways:



Visual Learner:

Learns best by seeing

(Chalk)



Auditory Learner:

Learns best by hearing

(Talk)



Kinesthetic Learner:

Learns best by feeling or experiencing

(Walk)

LEARNING STYLES

Talk Learners

- Learn by Listening
- Love discussions
- Music Lover
- Speaks in rhythmic patterns
- Talks to themselves while occupied
- Easily distracted by noise
- Enjoy Reading loudly
- Enjoy others reading
- Can repeat and mimic tone pitch and timbre
- Often powerful speakers
- Talkative, go into lengthy description
- Likes Music more than Art
- Have problems with projects that involve
Visualization, such as cutting pieces that fit together



LEARNING STYLES

Chalk Learners

- Learns by seeing
- Good long range planners and organizers
- Observant and notice details
- Remember faces (But Maybe not Names)
- Appearance oriented in both look & presentation
- Good spellers and can actually see the words in their minds
- Remember what was seen, rather than heard
- Memorize by visual association
- Likes to read, write, draw & generally have good handwriting
- Usually not distracted by noise
- Doodle during phone conversations and meetings
- Often know what to say but can't think of right words



LEARNING STYLES

Walk Learners

- Learns by manipulating and doing
- Often labelled as “Hyperactive” or “Naughty” Children
- They Speak Slowly
- Use Action rather than words
- Touch people to get their attention
- Stand close when talking to someone
- Memorize by walking
- Might use a finger as a pointer while reading
- Respond to physical rewards
- Use a lot of non verbal gestures
- Tap a pencil or their foot while studying
- They reflect action with body movement as they read and might walk around while reading



INTELLIGENCE ASSESSMENT CHANNEL



Dermatoglyphics

WHAT IS DERMATOGLYPHICS?

- Scientific Study of fingerprints and skin grains is called Dermatoglyphics.
- Its reveals the congenital links between our fingers and our intrinsic qualities and talents.
- Many scientists and medical doctorate found that the born number of brain cells (learning potential) can be checked from the skin grains of one's Fingerprints after long observatory, recordings, comparison and inductions.
- The structural function of Cerebral Cortex can be analyzed from the skin grains.

Why Dermatoglyphics Multiple Intelligence Analysis ?



**Every child is unique,
but our method to
handle them is
common & usual.**

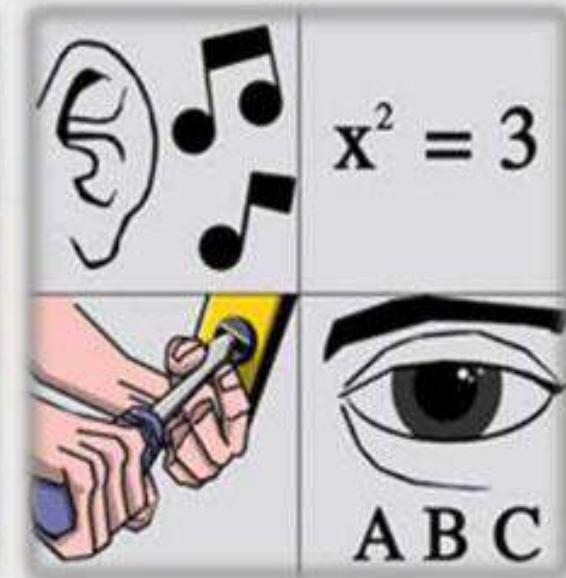
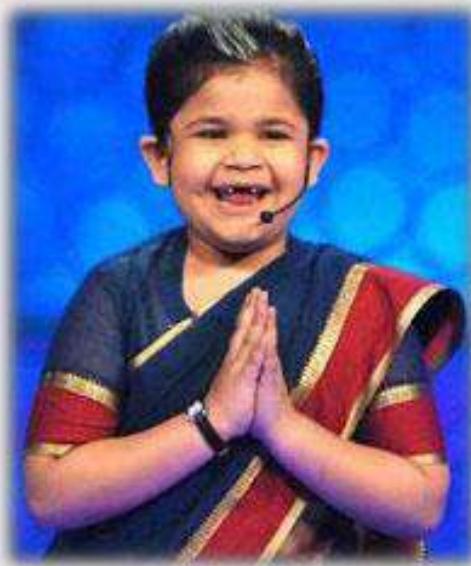
**Every child has an
Inborn talent but child
& parents fail to
identify it.**

**Every child has a
Different learning style
but our teaching style
is same.**

Benefits of Dermatoglyphics



Multiple Intelligence Analysis



Discover your child's
inborn talent.

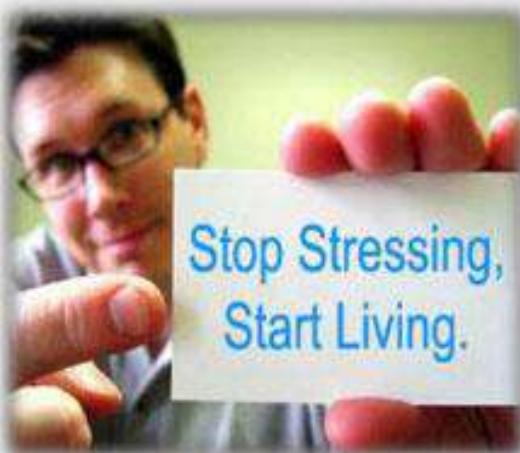
Improves parents -
children relationship.

Understand child's
learning style.

Benefits of Dermatoglyphics



Multiple Intelligence Analysis



Sets parent's expectations right and makes child stress free



You give birth to your child, DMIT enables you discover your child



Discover your child's Strengths, Weaknesses & Multiple Intelligence

Benefits of Dermatoglyphics



Multiple Intelligence Analysis

- IT REVEALS THE IQ : INTELLIGENCE QUOTIENT
- IT REVEALS THE EQ : EMOTIONAL QUOTIENT
- IT REVEALS THE CQ : CREATIVE QUOTIENT
- IT REVEALS THE AQ : ADVERSITY QUOTIENT

Benefits of Dermatoglyphics

Multiple Intelligence Analysis



Acquiring Style

1. Self- Cognitive

2. Affective

3. Reverse Thinker - Critical

4. Reflective

BRAIN



LET'S UNDERSTAND OUR NERVOUS SYSTEM



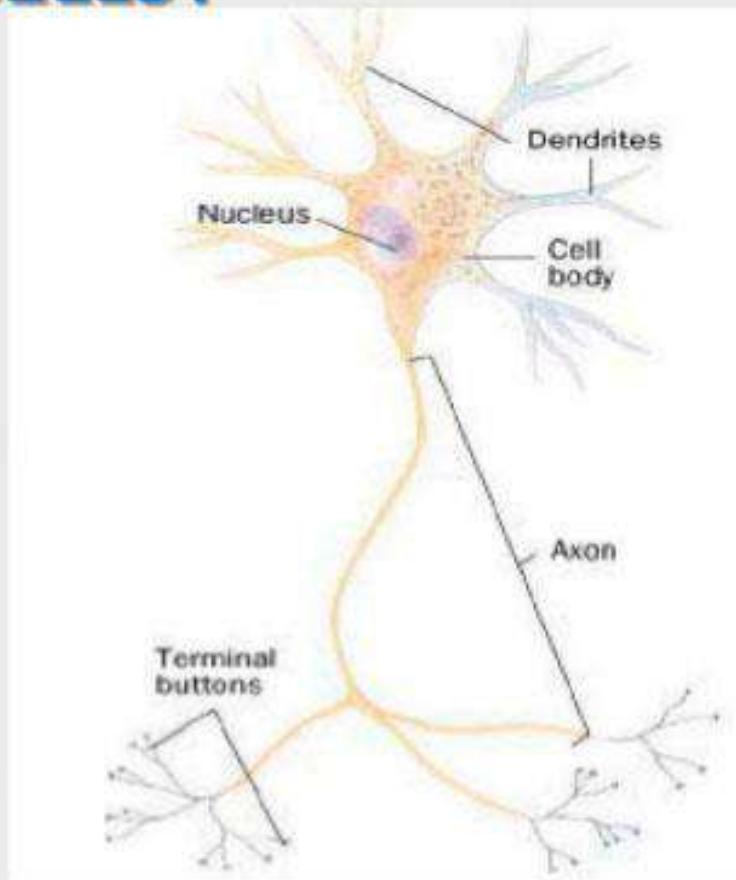
- **The Nervous System Is Made up in Part of Neurons or Nerve Cells**
A Cell That Conducts Electro-chemical Signals, the Basic Unit of the Nervous System.
- **The Neurons Are Held in Glial Cells (Greek for “Glue”)**
Nervous System Cell That Aid the Neurons by Providing Them With Nutrients, Insulations, and Removing Cellular Debris When They Die.

WHAT ARE NEURONS OR NERVE CELLS?



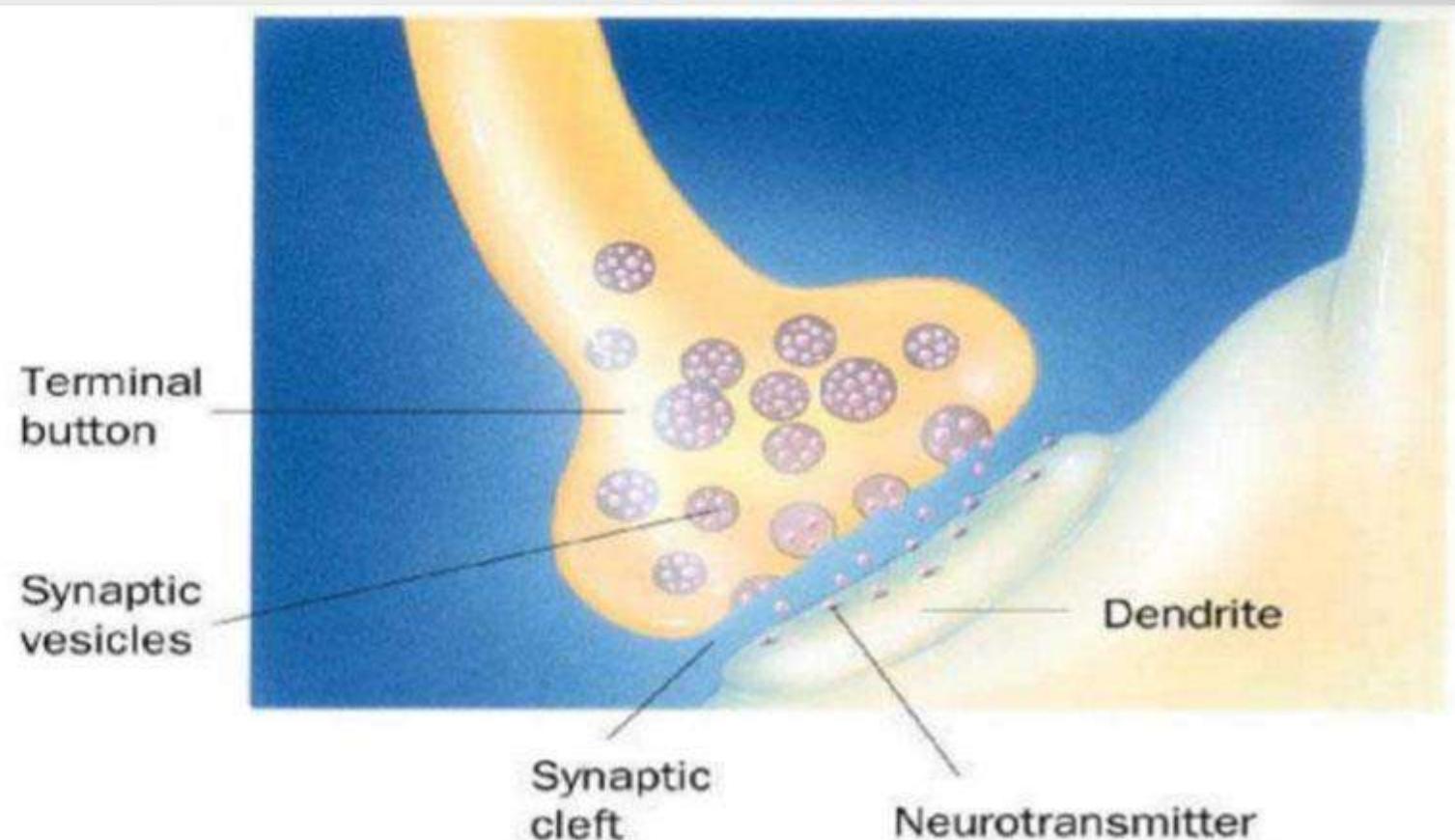
The Neuron has three main parts:

- Dendrite
- Cell Body
- Axon



Every Nerve Cell can have 1000- 10000 Synapse

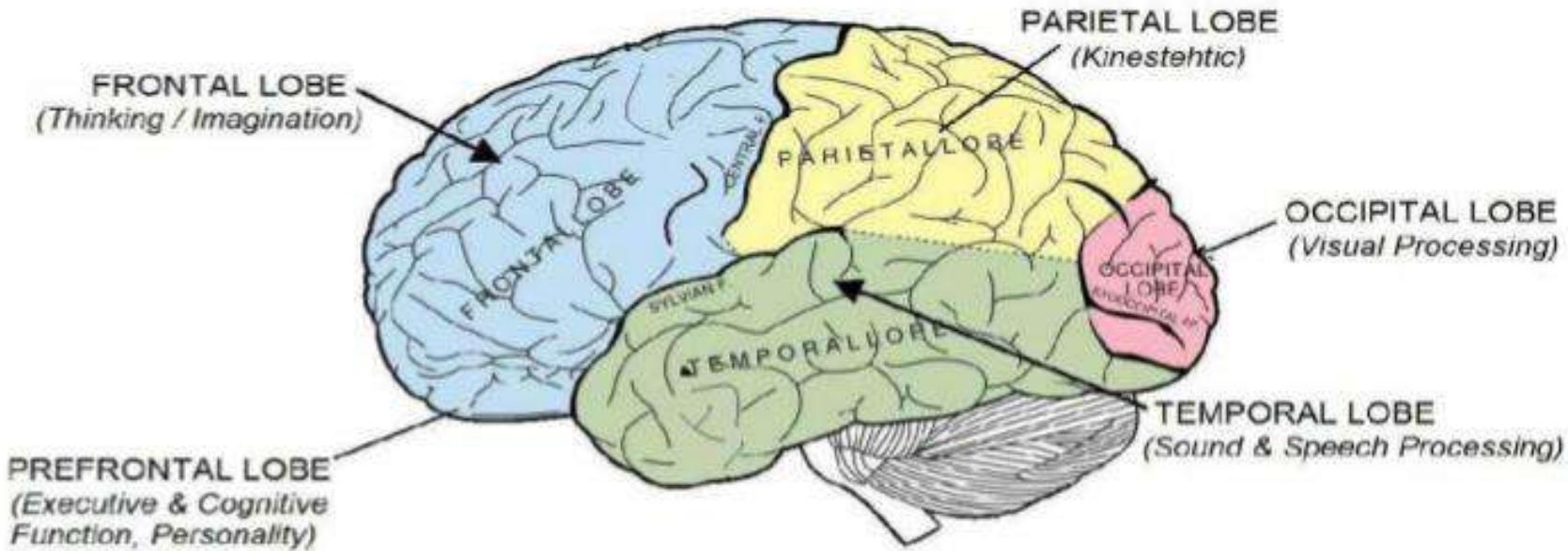
SYNAPSE



Higher the Synaptic connections among Neurons results in
higher efficiency in that function

BRAIN LOBES

BRAIN STRUCTURE



LEFT VS RIGHT BRAIN

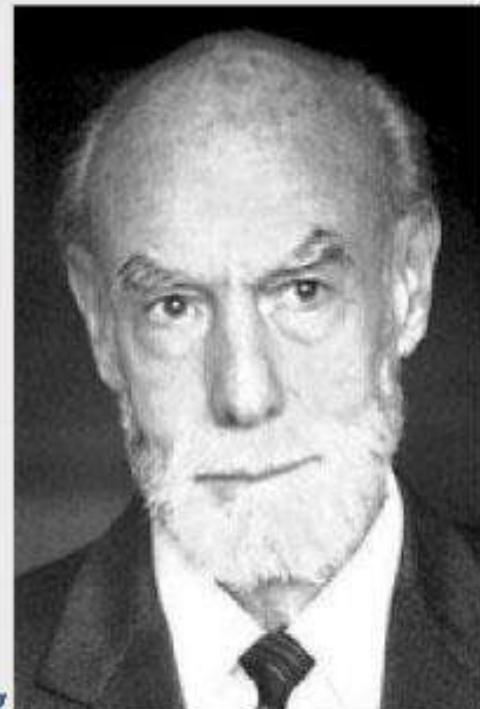
In 1960, Dr. Roger W. Sperry and his colleagues carried out a studies on Left and Right hemisphere phenomena.

The results of this study later led to Roger Sperry being awarded the Nobel Prize in Physiology or Medicine in 1981. Sperry received the prize for his discoveries concerning the functional specialization of the cerebral hemispheres.

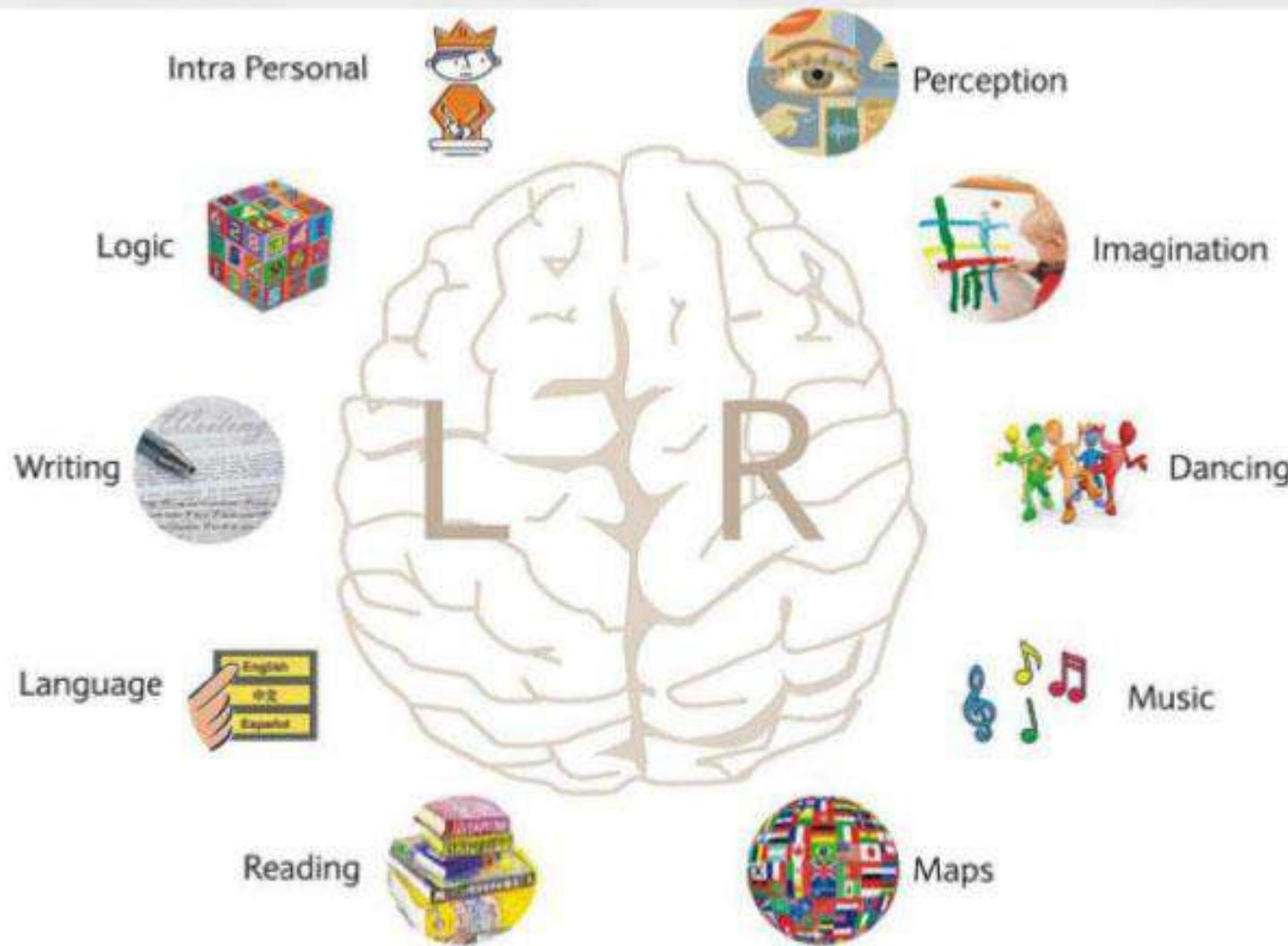
The study demonstrated that the left and right hemispheres are specialized in different tasks.

The left side of the brain is normally specialized in taking care of the logical, factual, analytical and verbal tasks.

The left side speaks much better than the right side, while the right half takes care of the space perception tasks & music, creativity and emotions, for example.



LEFT VS RIGHT BRAIN



THE MILAEAGE OF FINGERPRINT ANALYSIS



- **Phase 1:**

In the year 1880, early century of 19, Dr. Henry Faulds stated the theory of finger RC (Ridge Count) and it's ability to distinguish the study method of inborn intelligences, but the element of the post analyzing was too simple.

- **Phase 2:**

In the year of 1943, Dr. Harold Cummins stated the theory of PI (Pattern Intensity) rate measuring, RC value, 3 delta areas value, potency value, different finger patterns with its different position. This theory using PI value is more accurate compared with the first method that only used RC measurement.

- **Phase 3:**

In 1986 Nobel Prize in physiology was awarded to Dr. Rita Levi-Montalcini & Dr. Stanley Cohen for discovering the correlation between NGF (Nerve Growth Factor) and EGF (Epidermal Growth Factor).

SUMMARY

- **8 Multiple Intelligences**
- **Learning Styles**
- **Acquiring Styles**
- **Brain Lobe Functioning**
- **Left Vs Right Brain**

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