

JELIC MULTIPLE INTELLIGENCES – ENRICHMENT PROGRAM

Build your child's future.....

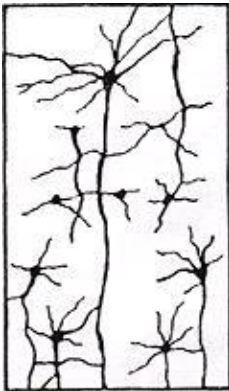
Brain Development

The first six years of a child's life are most crucial for it is a period where foundations are laid and consolidated. It is critical to the emotional and intellectual development of a child. During these early years, 75 percent of brain growth is completed.

But the effects of this emotional and intellectual development will not be seen, in many cases, until your child reaches the third or fourth grade. What you do now will greatly affect whether your child is ready to learn when he or she enters school.

How brain development works:

The neural network



Cerebrum at birth



Well-stimulated cerebrum

This is what the neural network of a newborn looks like.

And as you spend time with your baby – talking, playing with him, and drawing his attention to the many things in his environment, basically providing lots of stimulation, his neural network becomes denser, and he is able to process information at a faster rate and hence absorb new skills quicker.

In a sense, he becomes smarter.

Even before your child is born, all the nerve cells he will ever possess have been formed. These nerve cells are like a mass of unconnected electrical wires. From the time your child is born, his brain will constantly strive to connect the wires.

But what makes the wires connect and what does the connection mean to a growing child? Every time a child is held, read to, or plays with a toy, these nerves make a connection.

During the early years of life, these wires are connecting at an amazing pace, and once-in-a-lifetime windows of opportunity are opening to learn tasks in a stimulated environment.

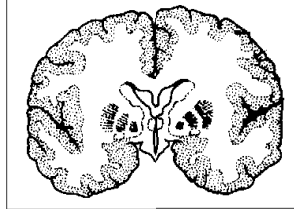
What is Brain Power?

Research has found that mice or rats raised in enriched environments, with toys and playmates have billions more connections between brain cells and are better learners than mice and rats raised alone in empty cages.



What is Jelic?

Understanding the Brain



Left Brain

(scientific abilities)

- Language
- Mathematical processes
- Logic
- Sequencing
- Analytical thinking

Right Brain

(artistic abilities)

- Images & patterns
- Spatial manipulation
- Rhythm & musical appreciation
- Imagination
- Daydreaming

The human brain works best when both the right and the left hemispheres are well developed. The left hemisphere is generally more emphasized than the right hemisphere, so to remedy this imbalance, **JELIC** was developed. It is a complete curriculum based solely on hands-on experiences incorporating many different kinds of manipulation and stimulation. This helps to enhance a child's capabilities for procedural and creative thinking. The exercises employed help balance the development of both hemisphere of the pre-school to kindergarten aged brain.

What is the meaning of Jelic?

J Judgement Quotient or JQ

E Emotion Quotient or EQ

L Logic Quotient or LQ

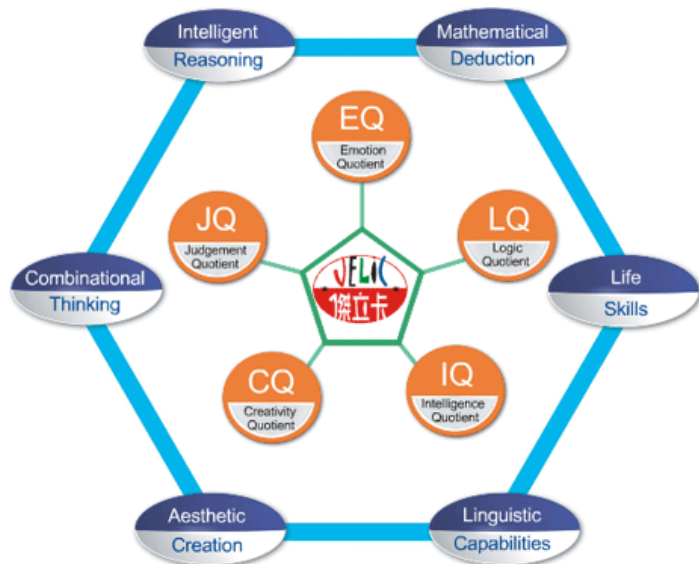
I Intelligence Quotient or IQ

C Creativity Quotient or CQ



Learning Modules/Domains of Jelic:

Jelic facilitates development of the child's multiple intelligences, emphasizing on 5 quotients, by means of 6 learning modules/domains.



Skills nurtured from the Learning Modules/Domains:

- | | |
|---------------------------|---|
| • Intelligent Reasoning | : Observe, think and reason in multiple ways |
| • Mathematical Deduction | : Skilled in basic concepts and problem-solving |
| • Combinational Thinking | : Solve problems with multiple concepts and multi-processes |
| • Life Skills | : Practise good judgment and apply various skills to life |
| • Linguistic Capabilities | : Ability in language expression |
| • Aesthetic Creation | : Appreciate the beauty of arts and crafts |

Content of the Programme:

Every little step of the JELIC learning program is carefully designed and well integrated into a complete curriculum of hands-on exercises for students aged 3 to 6 years old.

- 450 toolboxes for manipulation, exploration and thinking
- 59 well-sequenced topics under 6 learning modules/domains (refer to table)
- 7 levels of difficulty

Level 1 = 36 boxes

Level 4 = 76 boxes

Level 7 = 78 boxes

Level 2 = 44 boxes

Level 5 = 76 boxes

Level 3 = 64 boxes

Level 6 = 76 boxes

By going through the exercises in the workbook and the manipulative tools in the boxes students learn how to solve problems independently.

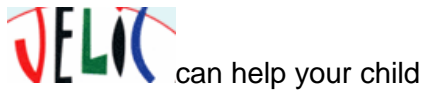
The 450 boxes contain approximately 3,000 questions and it takes around 3 years for a child to complete the programme if the child starts at three years old.

Student also learns about order and responsibility by following the class guidelines, from taking out the boxes to returning the boxes to the JELIC shelf.

1 Intelligent Reasoning	2 Mathematical Deduction	3 Combinational Thinking	4 Life Skills	5 Linguistic Expression	6 Aesthetic Creation
A01 3D Constructs	B01 Threading Reasoning	C01 2D Sequence	D01 Transparent Templates	E01 Words & Pictures	F01 Shape Association
A02 Inside/Outside	B02 Whole Number Separation	C02 Property Combination	D02 Buying & Selling	E02 Phonetic Symbol	F02 Creative Shapes
A03 Area Correspondence	B03 Dot Matrix Rotation	C03 Inclosure & Counting	D03 Clock Bingo	E03 English Alphabet	F03 Block Constructs
A04 Dot Correspondence	B04 Arrangement	C04 Location & Counting	D04 Left/Right-Hand	E04 Phonetic Practice	F04 Situation Understanding
A05 Top/Bottom/Left/Right	B05 Dual-Property Judgement	C05 Direction & Counting	D05 Shapes & Colors	E05 Phonetic Games	F05 Facial Expressions
A06 Geometric Figures	B06 Shadow Judgement	C06 Combination Sequences	D06 X-Y Coordinates	E06 Math Language	F06 Peg Board Games
A07 Frames/Inlays	B07 Condition Selection		D07 Paths Routes		
A08 Property Combination	B08 Overlapping				
A09 Block Arrangement	B09 Location Reasoning				
A10 Property Judgement	B10 Multiplication				
A11 Shadow Selection	B11 Division				
A12 Sameness/Difference Comparison/Contrast	B12 Counting				
A13 Algebraic Counting	B13 Combination/ Separation				
A14 What Is Missing	B14 Property Combination				
A15 Length Comparison					
A16 Quantity Comparison					
A17 Time Telling					
A18 Time Sequence					
A19 Location Positioning					
A20 Bingo Games					



What are the Goals of Jelic?



- sharpen the senses for observation
- train the hands for manipulation
- enhance the curiosity for discovery
- build up self-confidence
- develop harmonious people skills

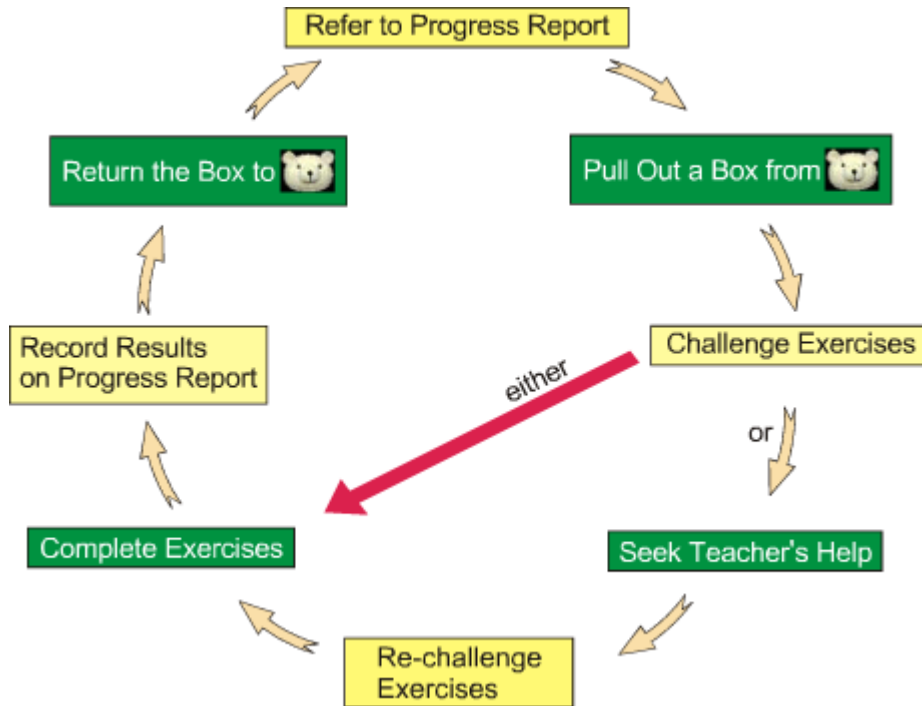
What are the Philosophies of Jelic?

- Self-motivated Learning Attitude
- Teachers as Navigators
- Discover the fun and curiosity through exploration
- Building up the self-confidence through honor and encouragement
- Developing the people skills through mutual respect and harmony



How does a Jelic child learn?

Well-planned Class Procedure



In line with the spirit of PSL (Personalized System of Learning), children attempt to work on the challenge exercise on their own. Teachers observe the students closely but guidance is given only upon request. No direct answer is given. Teacher will raise questions and give clues as a guide to solve the exercise. Students solve the problem themselves. This effectively develops student's self-confidence.

SUMMARY OF JELIC

JELIC (Judgment, Emotion, Logic, Intelligence, and Creativity)

The first six years of life are most crucial for it is a period where foundations are laid and consolidated. Your child is not just a vessel to be filled with knowledge; on the contrary, he is active, experimenting and learning from his experiences. His development thrives with active exploration and he develops a love for learning in an enriched environment.

JELIC is an international enrichment programme for ages 3 to 6, with centres in Taiwan, USA, Canada, Singapore, China and Malaysia.

Designed by a team of educators, child psychologists, physicists and mathematicians, the JELIC curriculum balances the development of both hemispheres of the brain, through self-paced hands-on experiences.

JELIC facilitates development of the child's multiple intelligences, emphasizing on 5 quotients, by means of 6 learning domains.

1. **Intelligent Reasoning:** Observe, think and reason in multiple ways
2. **Mathematical Deduction:** Skilled in basic concepts and problem-solving
3. **Combinational Thinking:** Solve problems with multiple concepts and multi-processes
4. **Life Skills:** Practise good judgment and apply various skills to life
5. **Linguistic Capabilities:** Ability in language expression
6. **Aesthetic Creation:** Develops right brain in appreciating creative shapes and figures

JELIC can help your child

- sharpen the senses for observation
- train the hands for manipulation
- enhance their curiosity for discovery
- build up self-confidence
- develop harmonious personality



Programme Content

- 7 levels of difficulty
- 450 toolboxes for manipulation, exploration and thinking
- 59 well-sequenced topics under 6 learning domains

