

Nowadays, people are more and more used to the aptitude assessment for children by using basic cognitive test at first then upgrading the test level regarding to different situations, different perception ability of each child. In some American schools, there are special programs for talented students that are able to identify them basing on IQ and standardized tests. In Canada, parents usually take their children to anthropometric tests at the very young age so as to learn about personality and strengths of their children. However, you should not entirely trust schools in terms of discovering children's talents. Anthropometric results sometimes cannot keep track of the children everyday because changes in perception and thinking are calculated in day unit, not just once can possibly enough to assess the whole growth process. There are many factors to identify a talented kid, yet some of which are not noticed in the traditional educational system. If your children are talented, you need to ensure they get essential attention to grow. You can recognize a talented kid through outstanding studying ability, amazing communication skill, thorough thinking and strong empathy ability. According to Howard Gardner PhD. of Harvard Graduate School, there are 7 types of aptitude commonly spotted from children, including: space, body aesthetic, music, extrovert, introvert, linguistics and mathematical logic.

For the first time, CAT applies tests assessing potential and outstanding ability of children in distinct fields like music, painting, memory, language, ... The questionnaire system in tests is built by CAT members in cooperation with education experts and top researchers of children's psychology in America. The tests fully apply thinking methods verified all over the world. In the beginning of 2018, CAT, for the first time, experimented 8 perception tests and received trust of 6 million parents with over 14,000 children in 5 countries where education is highly developed, like Britain, America, Germany, Australia and Canada. These are international standardized perception tests, helping children outstandingly think, awakening their gifted potential and enhancing their creativity.

Perception test is a system of questions in different fields, used to assess and sort out the thinking and perception of the test takers. Perception is the action or the absorbing

process of knowledge and understanding through thoughts, experience and senses, including procedures like consciousness, attention, memory, evaluation, estimation, reasoning, calculation, problem solving, decision making, comprehension and use of language. That perception path is carried out through periods, from simple to complicated, from low to high, from detailed to abstract, from the outer appearance to the inner nature. Understanding the basic principle of that perception, the questionnaire is divided into 8 tests in 8 different fields with different features suitable for children from 0-10 years old, following suitable levels so as to precisely, objectively and fully assess the potential of the children.

With this perception test, children can start shaping their aptitudes and strengths, grow and choose to follow the talents inside them. Little Mozart had an utterly outstanding talent in music. With any music verse, any difficult music technique, he only needed his father to teach him once and already understood and could play right away. At the age of 4, he already played the piano so beautifully, even complicated tunes. At the age of 5, he made his first works, many of which were incredible, like Melodica. His father, once again, was shocked by his talent because his father only taught him piano, violon, never writing music.

The importance of developing children's aptitude from the early age is becoming the prior concern of parents. They expect their children to fully grow and get to do what they do best. Young geniuses all have outstanding characteristics in some different fields, yet if without enriching and practicing everyday, talents get faded and eventually vanished. With the advantage of personalized curriculum following each small change of children, CAT commits that the output quality after the tests will be the children capable of perceiving and thinking three times better than other children at the same age. Many children, after experiencing the curriculum, started to get significant achievements while mastering their aptitudes.

Many people assume that smart people have high IQ. Yet many think the core of intelligence is the ability to do things others have never done, to think what others have never thought, which, in general, is called Creative thinking. However, many people, especially parents, do not understand this. They assume that creativity is not

necessary for children, that it is only needed when their children are old enough to work, or to do works relating to science. That is an utterly wrong thinking.

### **What is “create”?**

“Create” is commonly defined as the ability to produce new possible ideas. In face, we all need creative thinking in our daily life, yet even we do not realize it. From small stuff like making use of leftovers, to such work like hammering a nail, drilling a hole on the wall, if we can come up with a new idea, it is called “create”.

However, children’s creativity is not the same as adults’. Grown-ups are considered creative when they create new things, which are unique, purposeful, enduring and commonly the results of a period of seeking ... But children are considered creative when they start from recreation, imitation, simulation ... that commonly have no purpose. Children’s creativity depends much on emotion, situation and usually is not enduring.

Preschool time is full of emotion, the time to develop curiosity, imagination ... strong referring ability ... Hence, this is the best time, the “most fertile soil” to plant creating activity.

Why do just few wood patterns, fabrics, papers, doodles with unclear shapes in colors ... which are meaningless to adults, completely capture all children’s attention? That is because children get to play with their ideas. This emotion appears while they play, not as the final outcome (the painting is, or is not beautiful in the way adults commonly criticize).

But what is creativity decentralization? Scientifically, it is divided in 2 levels:

The first one is “**Little-C**”, the name of creating simple things, like self-making a unique birthday present, self-wrapping it in a distinct style, or self-telling a funny story.

The other is “**Big-C**” for more sophisticated creating like writing a speech, a poem or designing a science product.

This means in order to serve our lives, we only need Little - C. But in order to have achievement, we need Big - C.

Roger determined 3 networks in the brain that play the key roles in creative thinking. Those are default network, operational network and feedback network.

**Default network** is a collective of operating areas when everyone is wandering in their mind, dreaming and imagining. That is called spontaneous thinking network, which helps creating new ideas, booting the brain to think about an issue.

**Operating network** is a collective of operating areas when everyone needs to focus on controlling their thinking process. This network plays the role of evaluating ideas and changing them to match reality.

**Feedback network** is like a “contact station” between 2 networks above.

It is important to notice that these 3 networks commonly do not work together. For example, when operating network is activated, default network is deactivated. But to those having good creativity, all 3 networks work at the same time.

### **Can creative thinking be practiced?**

Harry Adler defined: “Creativity is the flash light tapping on the right side of the brain to bring out ideas”. It means though creativity is partially a nature, it can totally be “practiced”. Hence, developed countries’ educational goal is not only providing knowledge, but also making creative thinking people. They created the whole industry of “Creative thinking”.

## **Is it necessary children to practice creative thinking, and what is the purpose of taking creativity test?**

Very necessary! Successful people always know how to make difference, breakthrough effective in both thinking and action. If you want your children to become future leaders, beside the knowledge from classes, books, they need to be encouraged to improve new things so as to prove themselves. Obviously, celebrities in any field have their own products totally different from the existing ones, from science to art. Even in processing daily situation, class exercises, children need creativity to have the best efficiency.

**The purpose of the test above** is to locate the children's position and evaluate their creativity, from which we give them the right orientation to improve their potential, practice it to reach a higher level.

## **What are the characteristics of creative children?**

1. Enjoying learning, curious and longing for exploring new things.
2. Enjoying experimenting
3. Usually asking questions that others children don't.
4. Unsatisfied with perfunctory answers. They keep asking until they fully understand.
5. Producing many new ways of thinking
6. Not afraid to try new things

7. Thinking often conflicts with parents, teachers, friends.

8. Enjoy being independent and objecting.

### **How will creative children grow?**

Children with good creativity and imagination and encouragement from parents will make a firm step in both studying and emotional life.

They learn things better than other children. The children with high creativity always rank at the top of the class and win high prizes in competitions. Besides, out in society, those children even take such high responsibility as CEO of marketing or personal products for their own companies with thousands of dollars as income.

### **How well can your children perform in this field?**

Congratulations! Your child totally has aptitude and can grow well in this field.

He/she has a variety of aesthetic ideas willing to come out at any time. He owns a colorful life while being deep in his/her imagination. The only thing missing is the experience he/she can gain during studying, practicing and observing process. CAT believes the kid can make it.

Gifted children in creativity commonly have many opportunities in career: Doctor, teacher, consultant, ... They can totally grow well in different fields of society and go further in their career path.

Some of people with good creativity that are very successful: Emma, George – president of America, ...

Parents should let children enhance their creativity by respecting their opinions. You can let them propose their ideas in some simple daily problems, like where they want

to go on the weekend, what they want for dinner, what they wear for tomorrow. This helps them practice expressing desire and thoughts. Parents should join discussion and practice critical thinking for their children. Also, stimulate their creativity by some highly entertaining and beneficial games like painting, assembling model. Children can draft and build their ideas about different subjects. Besides, these kinds of game forge patience and meticulousness. The interaction between parents and children is very crucial. Parents should usually ask children open questions for them to discuss and propose ideas, like “What if I want to put the flower pot here without obscuring the bookshelf?” or “What do you think if...?” Besides, you should raise some situations and ask them to process. You should keep happy, gentle attitude when talking to them so as not to scare them. Absolutely no imposing, dismissing their ideas. Remember to be their good friends, playing, learning together. This is how you help your children prove themselves and fully grow.

Besides, CAT gives you and your kid a process along with test results so that your kid can practice and enhance the gifted talents! CAT will be together with parents and children to form their success in the future!