

So what did you guys see?
 if clockwise, then you use more of the right side of the brain and vice versa.
 Most of us would see the dancer turning anti-clockwise though you can try to focus and change the direction, see if you can do it.

<http://www.youtube.com/watch?v=H4OJFZ8>

Neurobiological
 It is one of the biological explanations for the creative thinking.
 There are genes that may affect the way the brain works.
 There are also brain injuries that can affect the brain.
 There are also brain chemicals that can affect the brain.
 There are also brain structures that can affect the brain.

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In the video, Ken Robinson is suggesting that the best education should be able to help them to make it in the future. They are not just for the future but also for the present. He is saying that we should not be afraid to try things that are different. He is saying that we should not be afraid to try things that are different. He is saying that we should not be afraid to try things that are different.



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It is natural but generally the development of a child's imagination and creativity are shown through the child's play. In play, the child's mental capacities are established through his or her interaction in the environment.

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Theories
 Theories of creativity in education.

Ken Robinson
 "Education for Creative Learning"

The only way to discover the limits of the possible is to go beyond them to the impossible. (Bruce T. Lee)

Values associated with creative learning
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Roger Willcott Sperry

- left brain is logical
- after creating a sentence before the right hemisphere, he made something up. He said that he would give it to me as a reward. That is the meaning of creative learning and the natural intelligence of both.
- he said he found the half of the brain that is creative.
- Sperry described both hemispheres as the left and right hemispheres. The left hemisphere is the logical and analytical hemisphere. The right hemisphere is the creative and artistic hemisphere.



Values

- passion
- spontaneity
- accepting
- vibrant
- open-minded
- self-confidence

What are key advantages to creative learning?

- Creating learning offers children:
- Relevance
- Control of learning processes
- Ownership of knowledge
- Innovation

"the higher the relevance of teaching to children's lives, worlds, cultures and interests, the more likelihood there is that pupils will have control of their own learning processes... If relevance, control and ownership apply, the greater the chance of creative learning resulting - something new is created, there is significant change or 'transformation' in the pupil - i.e. 'innovation'". (Woods, 2002)

- According to Robert Sternberg
- Creativity refers to a child's innovative thinking and can lead to the production of innovative beliefs.
 - Child's giftedness in a classroom can be influenced by a motivating home background, compassionate classroom environment, understanding teachers, and goal role models and mentors. (Brayner & Bailey 2005).
 - Sternberg as well as others see children's creativity as a way of sharing common foundations, although the level of creative input an individual student has to offer differs across a variety of areas from ability to achievement.

Montessori Approach to Creativity

Dr. Montessori describes the basic qualities of the creative individual by stating that, "the child possesses tremendous creativity which is directed towards becoming a developed individual, endowed with a sensitive soul, an eye that sees and a hand that dares."

- The Montessori viewed creativity within the context of total development, which includes intellectual, artistic, emotional and physical.
- Dr. Montessori's sequencing of child development identifies the most significant areas of creative exploration, these are the stages of the personality and the construction of a child's future.
- It is believed through the Montessori system that the classroom environment is the foundation for a child's creative process.
- With a child's full use of their mind, eyes and hands, they will become confident in their classroom environment.

Montessori Australia Foundation's Vision and Goal

- The Montessori Australia Foundation is a non-profit organisation that offers support services to Montessori schools, teachers and parents. The Foundation upholds continuous communication with all Montessori programmes across Australia.
- The Foundation shares its mission of the Association Montessori Internationale and succeeds "to support the natural development of the human being from birth to maturity enabling children to become the transforming elements of society leading to a harmonious and peaceful world"
- The Montessori Australia Foundation's goal is that in 50 years, by the time it is 2053, Montessori will be a self-governing system educating 15% of all children in Australia.

**Seven Keys to Creativity:
LESSONS From Art
TheCaseSolutions.com**

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“ the use of the imagination or original idea, esp. in the production of artistic work ”

“If you're not prepared to be wrong, you'll never come up anything original.”

"If you're not prepared to be wrong, you'll never come up with anything original."

"The great pleasure and feeling in my right brain is more than my left brain can find the words to tell you."

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LEFT-BRAIN FUNCTIONS

Analytic
thought

Logic

Language

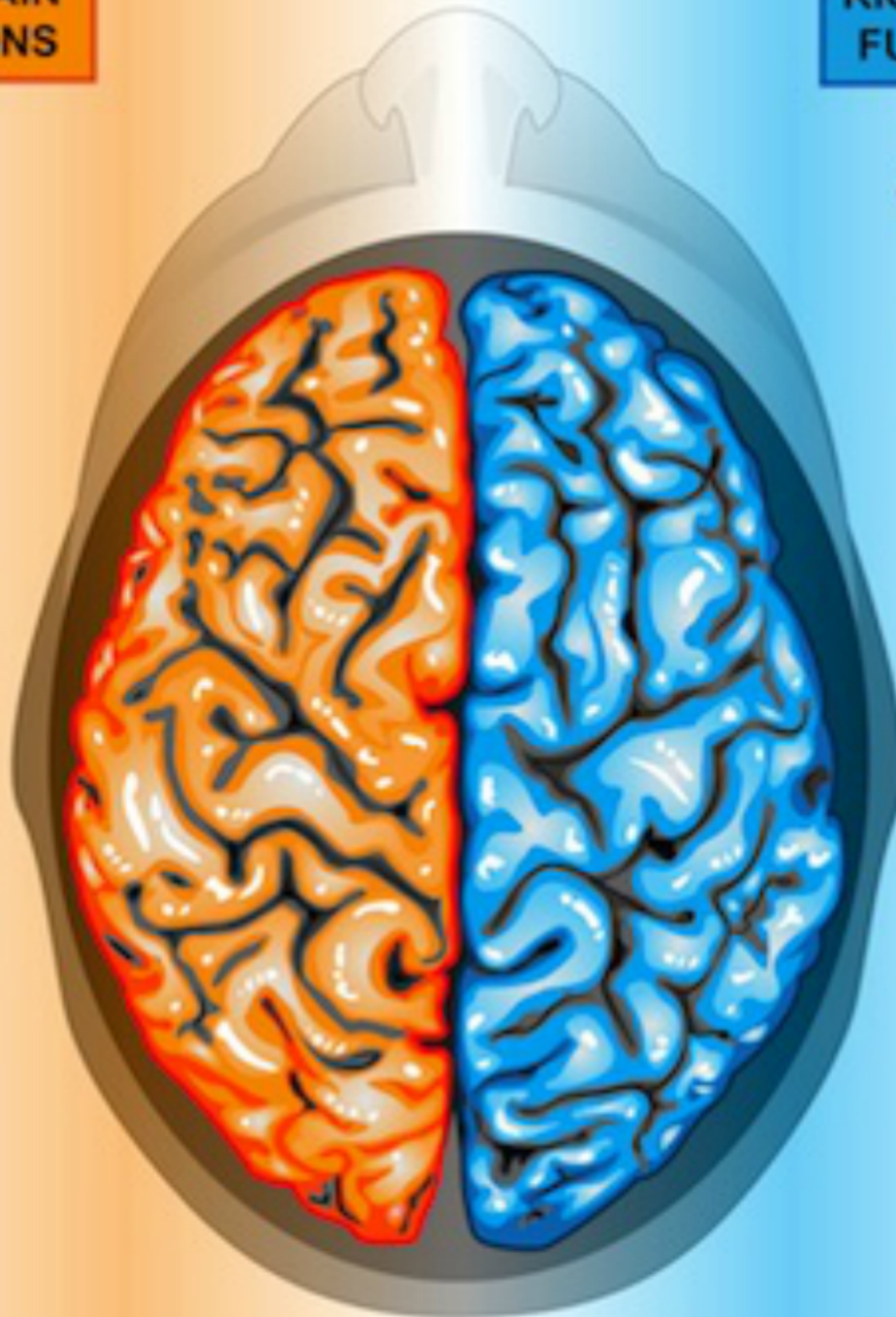
Reasoning

Science
and math

Written

Numbers
skills

Right-hand
control



RIGHT-BRAIN FUNCTIONS

Art awareness

Creativity

Imagination

Intuition

Insight

Holistic
thought

Music
awareness

3-D forms

Left-hand
control

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Activity!

OK this is a test . . .
Say the color, not the
Word. Try till you get
It right. Then post your
Comment . . .

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Creativity in Education

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- Experiments show that most children rank highly creative (right brain) before entering school. Because our educational systems place a higher value on left brain skills such as mathematics, logic and language than it does on drawing or using our imagination, only ten percent of these same children will rank highly creative by age 7. By the time we are adults, high creativity remains in only 2 percent of the population.
- Teachers are depriving students with the opportunity to develop both the left and right side of their brains, imagination can be utilized in maths and science, not just drama and the arts. This can give children the opportunity to experiment and find their passion.
- being creative can help students socially and influence them

Over the limits of the possible is to go possible." Arthur C. Clark

Values associated with creative learning!

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