



Extraction:TheCaseSolutions.com

Creativity is an essential component of the musical band of Case Western Reserve University. Converting lightning into music is a revolutionary idea that is aimed to enhance imagination and artistic vision into the scientific world. Creativity is a phenomenon whereby something new and somehow valuable is formed, such as an idea, a scientific theory, an invention, a literary work, a painting, a musical composition, a joke, among others. Creativity is what makes us human beings unique. Creativity has nothing to do with social status, level of education, race, culture, gender, wealth, mental condition or IQ. It takes place in a natural progression from thinking, to producing, to affecting reality. It involves taking risks, challenge assumptions, and seeing things in a new way. Creativity is found in the arts and sciences. It is a factor that allows scientists to handle experimental devices so they can grasp an idea of what is nature. Natural Sciences states that our response to creativity depends on what we know; Including factual knowledge about the world, cultural knowledge, and knowledge gained by our own experiences. Natural sciences follow a consistent pattern and routine. From our shared knowledge we know that scientist don't usually have a reputation of being creative. They just adhere to the scientific method by using statistics and data, so their results can be very accurate. Art, in the other hand, is freer. In the area of knowledge, creativity is characterized by the ability to perceive the world in new ways, to find hidden patterns, to make connections between seemingly unrelated variables, and to generate solutions.

KNOWLEDGE QUESTION:TheCaseSolutions.com

Does "creativity" means something different in the Arts and the Natural sciences?



WOKs and AOKs

sense Perception is one area of knowledge related to the knowledge issue sense perception is the process by which we can gain knowledge about the outside world. Creativity has to do with perceiving the world around us and interpreting it. As well, imagination is one of the main components of creativity, it defines the making process of each work and the extent of impact it has on the viewer. This factor of creativity, is seen in the Arts, Natural sciences and Human sciences. Natural sciences and Human sciences. Natural sciences as tates that our response to creativity depends on what we know-which includes factual knowledge about the world, cultural knowledge, knowledge gained from personal experiences, and knowledge about the art process itself. Human sciences can explain creativity through The "Experiencing Art: in the Brain of the Beholder", a model which shows the psychological processes involved when we invite an arethetic experience, implicates four essential features of our aersthetic experience, implicates four essential features of our aersthetic experienciation, and three components that drive the beholder's experience: sensation, knowledge, and emotion. Creativity in the Arts in the other hand, is related to motivation or inspiration, rather han following a consistent pattern and routine.



DEVELOPMENT 1:

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SUBSIDIARY KQ: Does imagination can help define creativity?

CLAIM: The definition of creativity states: the use of the imagination or original ideas, especially in the production of an artistic work.

Imagination is a creative power that is necessary for inventing an instrument, designing a dress or a house, painting a picture or writing a book. The creative power of imagination has an important role in the achievement of success in any field. What we imagine with faith and feelings comes into being. It is the important ingredient of creative visualization, positive thinking and affirmations.

EVIDENCE

The Neuroscience of Creative Cognition: A First Approximation

The key to undestanding the meroscience of conduity lies not only in knowledge of large-rate networks, but in recognizing that different patterns of second activations and deactivations are important at different stages of the creative process. Sometimes, it's hotpid for the metworks to work with each other, and sometimes such cooperation can implied the credible process.

In a recent large review, Nex Jung and colleagues; provide a "Test approximation regarding how creative couplism right rapp on the human basin. Their review suggest that when you seart to loosen your associations, allow your mind to reast free, insign now pacchilities, and sincer the inner collic, 2% good for orders activation of the Eventure Attention Network labil, but not completely) and increase activation of the inaguation and Salverex Networks. Horder, recent research on just musicians and rappers rangeling in creative improvisation suggests that's precisely what is happening it the train while in a flow state.

However, sometimes it's important to bring the Executive Attention Network back online,

As long and colleagues note, their model of the structure of contine cognition is only their approximation. At this post, we guit takes back on the not resonatorizer contribe, the biooxidgation of large-scale bosin networks does appear to be a real contribution of the contribution of t

Revertheless, much more research is needed that investigates how the brain creates across different domains, species, and timescales.

It's an exciting time for the neuroscience of creativity, as long as you ditch outdated notions of how creativity works. This requires embracing the messiness of the creative process and the dynamic band activations and collaborations among many different brains that make it all possible.

ttp://blogs.scientificamerican.com/beautiful-minds/the-real-neuroscience-of-creati



COUNTERCLAIM: The biggest difference between creativity and imagination is that imagination is thirting of usersting :: whether it's an object, place, time, ric.:: that is not present, while creativity is doing usersting meaningful with your imagination.

"MODIFICE".

The Chemical by Sir Kan Robinson in this back about subgroundwith to find year in purpose it; your "densent" is Sir Robinson thousand an important deducation between condition and inagglatation. All modification will be subjected and consolitify are not it same, but, an 3th Holdinson explaint, they certainly are not.

Six Robinson explaint, but hanglatudes in the "cut of bringing things into consolant the subject of the subject to the subject of the subject to the subj

Sir Robinous explains that insightation is the "act of bringing things into conocloss the area's heart, he also explains in an entire intension details about how constrictly different than insignation.

New creativity is a lot different from insignation, because to be creative you have to:

something, it's a very practical process, but the reason that we're sitting outside the natural history response and verice out critishs in it, surrounded by other animals who control that thing, is because we have the power of imagination, and they don't, not to the same degree.

image contains about in the containing that are it was a common or any given in crashifty allows us to do senething meaningful with our imaginations. Knowing the difference: ask yourself how you are creative? How do you use y imagination to do something meaningful that its creative?

http://continuomething.net/post/A52527772/magination-is-not-small/





DEVELOPMENT 2:

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SUBSIDIARY KQ: How does our prior experiences influence our perception of creativity?

CLAIM: An experience is something that personally affects your life. Through the expressive object, the artist and the active observer encounter each other, their material and mental environments, and their culture at large. Art has aesthetic standing only as it becomes an experience for human beings. Art intensifies the sense of immediate living, and accentuates what is valuable in enjoyment.



Gregory's Visual Assumption Theory
Psychologist Richard Gregory (1970) strongly believed that the visual perception relies
on top-down processing.

What is top-down processing

Top down processing, also known as conceptual-driven processing, happers when it form our perspiritus from the high glotture to the timy details. We nade the host guest what we see based on especialisms, beliefs, prior knowledge and past experiences, other words, we make calculated assumptions. According to Gregory, we are usual right in our assumptions.

Gregory's theory is backed by a lot of evidence and experimentations. One of t farmus examples is the hollow mask effect.

Do you see a normal face when the mask rotated to the hollow section? the used the rotation of a Charlie Chaplin mask to explain how we purely the house surface of the mask as protoning based on our expectation of the world. Our palenowidge of a normal face is that the nace protrudes. So, we subconscious recommitated the hollow face into a mental face.

Almost 90% of what we see is lost by the time it roaches the brain. Therefore, the brains to make the best guess based on past experiences or prior knowledge.

Visual information we see is combined with previously stored information about the

warm, when we are to make an exact or experience.

Also perceived from his various examples on the top-down processing theory are the the maning of surroundings provides context to aid understanding.

Notal hidrographics Design Taleanay at Thouselon Commy's Visual Assumetion Theory.





Different Perspectives: Different perspectives:

- 1. Mathematics is about problem solving and problem solving is a creative process. Most students' classroom experiences of mathematics involve studying materials and working through tasks. Creativity is a dynamic property of the human mind that can be enhanced and should be valued. It can be either strengthened or deteriorated. Therefore, it is important to study creativity and determine its characteristics. Nature of mathematics provides a suitable platform for developing creativity. Through studying the contemporary literature, this paper makes an effort to gain an insight into the nature of mathematical creativity with an emphasis on learning environments to foster it not only within school situations but also colleges.
- 2. Creativity allows scientists to handle theoretical constructs and experimental devices in such a way that they can grasp how nature really is. Science and theology depend in a great extent from the way of understanding scientific truth, the relationships between creativity and truth may help them to advance towards a unifying perspective of knowledge in which, although the differences among science and theology are carefully respected, it is also possible to understand their mutual complementarity.

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TheCaseSolutions.com RLS CONNECTED BACK TO THE KI:

Favio Chavez works at the largest garbage dump in Asuncion (Paraguay), as an ecological technician. There, in order to provide a positive and educational insight to children, he started a program inspired on the idea that "One man's trash is another man's music"." I made this orchestra to educate the world and raise awareness," Chávez told Fox News Latino. "But it's also a social message to let people know that even though these students are in extreme poverty, they can also contribute to society. They deserve an opportunity." Children in his music education program learn to make instruments from recycling material and, with those instruments they play Mozart and Beethoven, just like any other music student around the world. Being able to play an instrument has profoundly changed some members' lives.

Creativity is an essential component of the project in Paraguay. Converting garbage into music is a revolutionary and educational idea that is aimed to help a lot of people who do not have the money to do procreative activities such as this one.





A but question to think of: How does the different areas of knowle acquire a certain perception of creation



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