Human Creativity and the Word of The CREATOR

Insights from the Holy Quran: the word of Allah, to inspire human creativity, empower understanding, sequence learning, revelation and rationality

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Holy Quran

- “And We have, indeed, thoroughly conveyed to them the Word, that they may be admonished” (28:52)
- Allah - AL-KHALIQ [The Creator]
- Holy Quran is the Word of the Creator (Allah)
- How human beings apply their creativity!
- Some amazing links can be explored
- Human beings have amazing faculty of creativity
- Examine the journey of progress of science & other fields
- Science educators are also interested to see how our creativity works, how does cognitive sequencing plays a role?
- Did you ever try to think about how many thoughts come to your mind every day?
- {One answer will be in the later part of this presentation}
People are creative in their own way, creativity exemplified in various fields

Combining various items in a unique and useful way

Our creativity and the role of our sleep (researchers are amazed to see the interlinks)

A research by North Western University found creative people have reduced ability to filter irrelevant information {apparently irrelevant!}

(For details: Your Brain- It’s All in Your Head. 1/12/18. Page 69)
Creativity

- Ideas can come to mind anytime, anywhere
- Inspire your thinking in the best way through what is around you
- Note down even the smallest flashes of ideas and any waves of thoughts
- Creativity in many cases comes from combining two or more ideas or combining objects / items / sources

**BENDING, BREAKING & BLENDING**

[Paths for creativity]

(For more details TIME, The Science of Creativity 11/21/18. Pg. 35)
MY HYPOTHESIS: MULTIPLE –NETS

- What are the effects on each other, can one type of connectivity inspire the other one?
- Studying possibility to explore pathways to inspire creativity, self-learning, teaching, problem solving

Making connections inside the brain, understanding

Making connections in the outside
MATHEMATICS, COGNITIVE WAVES AND CREATIVITY

Albert Einstein -> Every day travel to the patent office -> clock tower -> Railway station in Bern ->

“It is no coincidence that the clock tower and the railway station in Bern, both of which he used to pass every day on his way to and from his job in the patent office played important roles in his miracle year.”

(Albert Einstein – The Essence of Genius. Page 58)

“…..there is often a surprisingly concise mathematical idea that forms the basis for all the detailed work. Strangely enough, when a research article is published in a professional journal this underlying idea may not be mentioned.”

How Mathematicians Think – Using Ambiguity, Contradiction, and Paradox to Create Mathematics.

By: William Byers
Princeton University Press 2007 Page 193

“Grasping metaphor requires a discontinuous leap” (ibid. Page 70)
• “The history of science is the history of search for unifying concepts”
  (Abdus Salam wrote in 1960: Contemporary Physics Volume 50. No.1. 2009)

Cognitive waves, finding patterns, looking at contradictions, finding new connections

- Dr. Abdus Salam in his lecture (Urdu language) on 27, February 1988 in Lahore Pakistan explained (some points in a summarized form)
- How the perfect coordination of various elements and forces has led to the creation of this universe
- Dr. Abdus Salam makes an incredible link of all this perfection of the CREATOR to the human
- We are associated with Big Bang that happened about 15 billion years ago
- Now Think! By exploring this great creation of the Creator in the light of the Word of the Creator, we can inspire our Creativity many folds and lead to many insights, inventions & discoveries
“Your Brain Has A 'Sixth Sense' That Thinks Ahead And Predicts The Future
You don't even know you're doing it”

- Thomas Tamblyn Huffpost, May 24, 2017

Reframe ideas through:

Revelation, Rationality, Knowledge and Truth
How information comes in and how it is processed in mind

— “These discussions have revealed that the aha moment, the flash of clarity that arises at unexpected times—in a dream, in the shower, on a walk—often emerges after a period of contemplation. Information comes in consciously, but the problem is processed unconsciously, the resulting solution leaping out when the mind least expects it. “Greater ideas don’t tend to come when you’re narrowly focusing on them.” says Kaufman.”

National Geographic- Genius May 2017, page 43-44.
Research on Cognitive Sequencing, Sequence Learning, Order of text, Influence on Learning & Performance

• How does order affect learning?

• EPAM Theory

  One dimension is:
  • (a) Attentional
  • (b) Routines, discrimination network
  • (c) Ordering of stimuli (e.g. curriculum)

• CHREST Theory
Essence of Some Experiments

- Experiments from a variety of research positions
- Changing sequence and changes in learning
- Comprehension and cognitive sequencing
- Concept formation, curriculum designing
- The role of examples in the text comprehension
- Interesting Topic: Learning in Order: Steps of Acquiring the Concept of the Day/Night Cycle

By: Katherina Morik
Martin Muhlenbrock (ibid. Pg 119)

- Also one example from an experiment
  (Book: In Order to Learn. Details on page 111)

- Now compare the role in a text form:
  Repeating of portion, connecting a portion with a new combination
- It is very complex to clearly separate learning into fixed stages
- Neural network research – challenges- acquisition evolution of identifiable concepts, human behaviour & response order
Insights to Gain

- The text structure and the deep meanings found in the Holy Quran

- “It is believed the average person has as many as 70,000 unique thoughts in a single day.”

  (The Brain The Ultimate Guide Pg. 52)

- **Sequence based on the apparent ways of forming text**
- **Sequencing based on the feelings of the true believers**

Find more details in *Tafsir Kabir* Volume 7, Page 521, Surah Al-Qasas # 28: 54


**Ayat**

Sequences, patterns, inspiring thinking, leading to deep meanings

**Great wisdom in the sequence of the Holy Quran**
One Example of Sequence

Heavens & earth
Closed-up mass

Made mountains
Wide pathways
Providing means for food

Heavens roof

Creation of day
And night
Orbits

Life will end

Trials in life
Return to Him

For details compare:
Chapter 21, Verses 31-36
TEXT STRUCTURES, DEEP MEANING FRAMES, SPIRITUAl PATHWAYS, RESEARCH INSIGHTS

- Discussing the creation of various things
- The distinctions
- Bringing attention to the Creator
- Referring to the attributes of Allah
- Human desires
- Beginning and the end
- Examples/parables set forth
- Reasons given, ponder upon
- Wisdom, framework
- Examples from the surroundings
- Ending the verse with the attributes of Allah
Deep Meaning Frames, Spiritual Pathways, Research Insights

[42:12] He is the Maker of the heavens and the earth. He has made for you pairs of your own selves, and of the cattle also He has made pairs. He multiplies you therein. There is nothing whatever like unto Him; and He is the All-Hearing, the All-Seeing.

[53:25] Can man have whatever he desires?
[53:26] Nay, to Allah belong the Hereafter and this world.

[39:28] And, indeed, We have set forth to men all kinds of parables in this Qur’an that they may take heed.

[39:6] He created the heavens and the earth in accordance with the requirements of wisdom. He makes the night to cover the day, and He makes the day to cover the night; and He has pressed the sun and the moon into service; each pursues its course until an appointed time. Hearken, it is He alone Who is the Mighty, the Great Forgiver.
Some possibilities for research

- All examples given in the Holy Quran
- All verses about various sciences & related fields
- The structure of each verse
- The sequence of the verses
- Interconnectedness of Holy Quran
- All verses which can help in research about social-neuroscience, human characteristics and spiritual dimensions
- Today we go home with many new frames of mind and some new insights of the Holy Quran – Think how!

Our constant journey of creativity & making numerous links!

Some pathways to expand our universe of creativity

Prayers for all!