



PRESENTS

A Special Session on



"UNDERSTANDING FOUNDATIONS OF READING FOR BETTER LEARNING"

Explore the Cognitive Skills for Enhanced Comprehension
and Learning

FOR Students of class 5th - 12th and all Teachers



BY: DR. VINAY SINGH (PRESIDENT & CEO,
ORANGE NEUROSCIENCES, CANADA)

Jun 22, 04:00 pm IST

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KNOWLEDGE AND AWARENESS MAPPING PLATFORM

KNOWLEDGE SESSION 2023: EPISODE 29

ORGANIZED BY: KNOWLEDGE AND AWARENESS MAPPING PLATFORM

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Topic: Foundations of Reading for Better Learning

Date: June 22, 2023

Organized for: Students from class 5-12

Category: Academic Development

Speakers/Presenters: Dr. Vinay Singh (President & CEO, Orange Neurosciences, Canada)

No. of Participants: 500+ students from different schools across India

Overview:

On June 22nd, 2023, KAMP conducted its 29th exclusive knowledge-sharing session on the topic "Understanding Foundations of Reading for Better Learning" with 500+ teachers and students from different schools across India. The main aim of this workshop was to help students and teachers explore cognitive skills for enhanced comprehension and learning, including strategies to recognise and use prior knowledge, identify the most important elements in a text, and sharpen our academic reading skills.

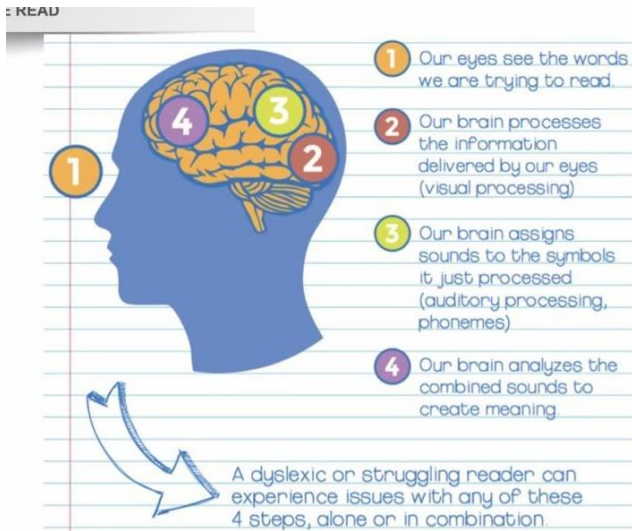


The session was convened by Mr. Aniket Arora and facilitated by Dr. Vinay Singh, who is a passionate educator, researcher, public

speaker, author, serial entrepreneur, and mentor/coach to startups, will cover different cognitive skills like memory, attention, perception, language processing, etc. So, by the end of this workshop, we will have an improved understanding of our cognition and be able to use our cognitive skills for better comprehension and learning.

This workshop by KAMP is in association with Dr. Kranti Health. Dr. Kranti Health is a groundbreaking platform that revolutionises the field of emotional and mental wellbeing. It serves as a one-stop, technology-enabled solution for screening, diagnosis, and intervention in mental health.

Overall, the integration of Dr. Kranti Health services benefits students, parents and guardians, teachers, school administrators, and school support staff, fostering a collaborative and nurturing environment that prioritises mental health and contributes to the overall success and well-being of the school community.



In this workshop, Dr. Vinay described the human mind as the amazing and most beautiful machine that we have in our body. It is the most evolved organ that we have in our body, and we further discussed how we can shape it for better learning. The main focus was given to cognitive skills in terms of how we read, how we understand, what types of different pathways are present in our brain, and how they all work together to make that happen.

In the early days, people were not even using characters or letters to understand or communicate. The first way of writing was

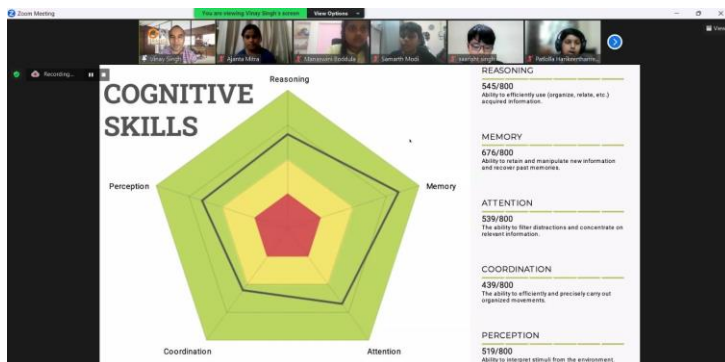
through pictography; they would depict using the pictures to explain that an animal, a tool, a farmer, or something else was happening. All those things were happening pictographically because there were no characters, no letters, and no language, so the medium for information passing or communication was pictures. Actual words, or alphabets, came very late in our evolutionary history.

However, today we can all read and write, for which we have trained our brains to understand the visual stimuli so that we can comprehend and use different letters to make a word or sentence. After a point, with practise, it all gets automated. We don't pronounce each and every letter separately in a word or a sentence; rather, we pronounce them according to how each word should be.

READING IS AN ACQUIRED SKILL

Reading came late in human evolutionary history. So we are not born to teach ourselves how to read, as we are for speech.

We do not have neural software that can teach us how to convert a fast-moving string of visual symbols into meaning.

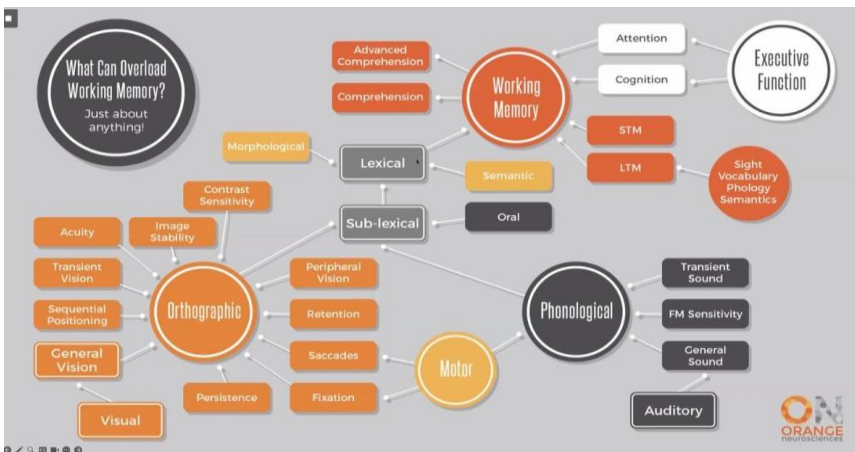


This automation is done through the working memory, which retains a small amount of information in a readily accessible form and helps us facilitate planning, comprehension, reasoning, and problem solving based on our prior knowledge or information stored in the long-term memory. So, while reading, our eyes receive the stimuli, or the text, from

which the information gets encoded from the optic nerve and transmitted to the brain.

The brain is where all the cognitive skills take place, such as phonological awareness through auditory processing, the syntax of a sentence through visual processing, or even logical thinking, or higher-level functioning of the brain. All this is done through the encoding and decoding process done through the hippocampus, in the temporal lobe, the region responsible for our memory.

Thus, it is very essential for us to understand these cognitive skills, even if they occur at the unconscious level. The better we understand these skills and attend to the stimulus, the better our chances of using them for our betterment, or in this case, better comprehension and learning.



The purpose of KAMP's fortnightly workshops is to help students develop creativity, meaningful learning, and critical reading and thinking skills that bring out their inherent abilities. The vision of KAMP is to identify and capture Scientific and Technological temperament in students to make India a Global Leader in the fields of Science, technology, and the humanities.

Such workshops, conducted by KAMP, deal with various topics that fall under the categories of Science, technology, and innovation, Scientific and Life Skills, Career and Professional Development, Academic development, and training trainers and teachers.

KAMP believes that with exposure to such topics from experts within such specific fields, students will become aware of real-life situations and challenges, develop a helping, problem-solving nature wherever possible, understand their core values and personal interests, evaluate their skills within the given area, and achieve their best in their most desirable way.

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Knowledge and Awareness Mapping Platform
(KAMP Operations and Coordination Office)

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