



II VISHWA VIDYAPEETH II
GROUP OF SCHOOLS

BECOMES
THE FIRST



NEURAL SCHOOL

BY IMPLEMENTING THE NEURAL APPROACH
IN TEACHING – LEARNING PROCESS



Celebrating Ten Years of Excellence in Education



C. S. Education Trust was formed during the year 2011 with a vision to provide a well-rounded curriculum, facilities and an environment which empowers both the learner and the educator to reach their maximum potential. We perceive children as an integral part of the society. We strive towards holistic development of the child and recognise the imperative need of imparting a world class education.

The first step was taken in the year 2012, by establishing Vishwa Vidyapeeth at Yelahanka, Bengaluru. This school is affiliated to ICSE Board till Class 12. The wings of the institution spread across the curricula, with IGCSE curriculum being introduced in the year 2016 (now affiliated till Class 12) and a branch at Honnenahalli, Yelahanka with a CBSE curriculum in 2018 (now affiliated till Class 10). Recently we have launched our new branch at Varthur. This academic year 2021-22 marks the 10th year completion for the school.

We felt the need to adopt a new teaching learning approach in order to implement National Education Policy 2020 effectively. After a lot of brainstorming, debates, discussions and research, we started to analyse and accept the fact that we need to understand the child first..... before we groom them. But how??? It is only possible if we understand the Brain development of a child which plays a significant role in the process of education.

**Now, we claim to be the First
Neural School in India**



Dasha Prabodha – Teach 10 skills by Age 10

At Vishwa Vidyapeeth, we recognize that the gaps between the theory and practical world today is the lack of skills developed in our young generation. Skill development is a tool to empower our children and to safeguard their future by providing them overall development in today's era of globalization. Education and skills go hand in hand. Helping them to recognize the impact of their actions and teaching them to take up accountability at a young age is the prime motto of incepting “Dasha Prabodha” at Vishwa Vidyapeeth. This step will help children build up their confidence both in spoken skills and for group collaboration and cooperation.

Quality Education = Knowledge + Skill

This initiative has been taken as part of the Tenth Year Celebration of Vishwa Vidyapeeth School.

Make your Child's Education Complete

Teach these 10 Skills by age 10

Launching
DASHA PRABODHA

The graphic displays ten skills in circular icons around a central image of a boy:

- Carpentry
- Theatre
- Music
- Cooking
- Clay Modelling
- Bhagavad Gita, Vedas & Upanishads
- Organic Farming
- Art Form
- Taekwondo
- Public Speaking

Dasha Prabodha will nurture a child to be self-dependent, self-directed, self-disciplined and self-motivated



What is Neural Education?

Neuro Science is the scientific study of the nervous system, including neuroanatomy, neurobiology, neurochemistry, neurophysiology, and neuropharmacology, and its applications in psychology, psychiatry, and neurology.

Neural Education offers a deeper understanding of the brain's amazing capacity. It is a learning method that is aligned with the way in which your brain processes information. It optimizes your learning experience by creating a positive mood through self-directed learning, facilitates your brain to embed new learning in existing knowledge, and enhances information recall speed for "Long Term Potentiation".

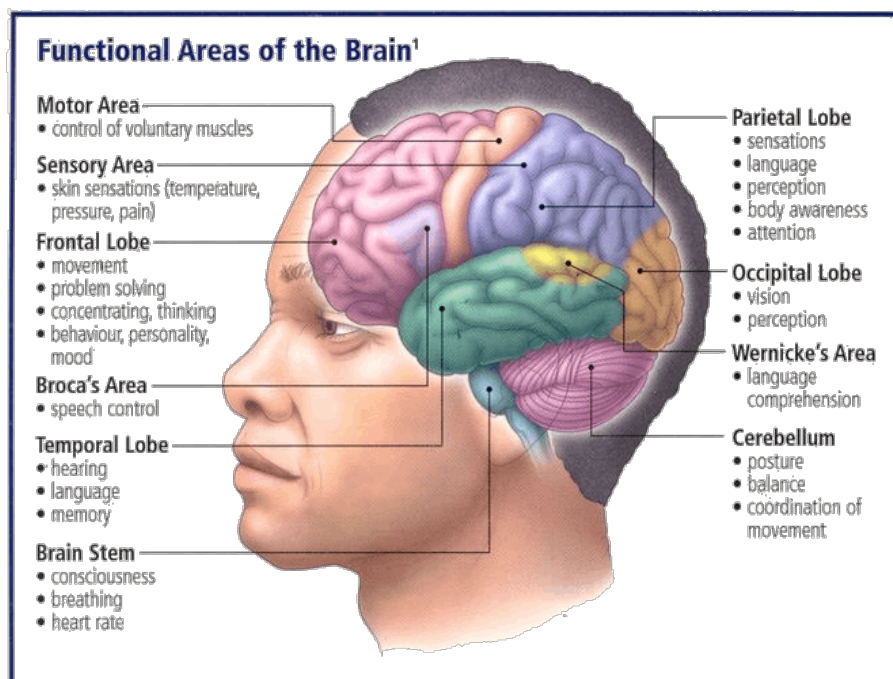
What is Neuro Plasticity?

"Neuro plasticity" refers to the capacity of the nervous system to modify itself, functionally and structurally, in response to experience. Plasticity is a key component of neural development and normal functioning of the nervous system, as well as a response to the changing environment, aging, or pathological insult.

It is the brain's ability to change, remodel & re-organise for the purpose of better ability to adopt to new situations.

As our teachers are taught about the child's brain development and Neuroplasticity, they are able to create a conducive and happy environment for the child in order to elevate the learning curve.

Structure of Brain



**A new paradigm of teaching
and learning at VVP which is
100% aligned to NEP 2020**



Challenge Mosaic



A poem by a teacher on 'Challenge Mosaic':

Dear children...

*We'll learn in a new way
With lots of fun, learning and joy
'Challenge Mosaic' is the method
Which lets your ideas flood?*

*A 'challenge' is posed,
In the form of picture, puzzle or question mode.
Think, use your brain and analyse
Watching a 'disequilibrium' slide*

*Pen down your 'initial thought'
Which will have the access to your own
And then it is 'multiple perspective'
where I'll take you in a learning ride,
I'll show you pictures, videos and slides,
Wait- take a brain break...
Dance-cross over- shake your leg*

*Pen down your 'initial thought'
Which will have the access to your own
And then it is 'multiple perspective'
where I'll take you in a learning ride,
I'll show you pictures, videos and slides,
Wait- take a brain break...
Dance-cross over- shake your leg*

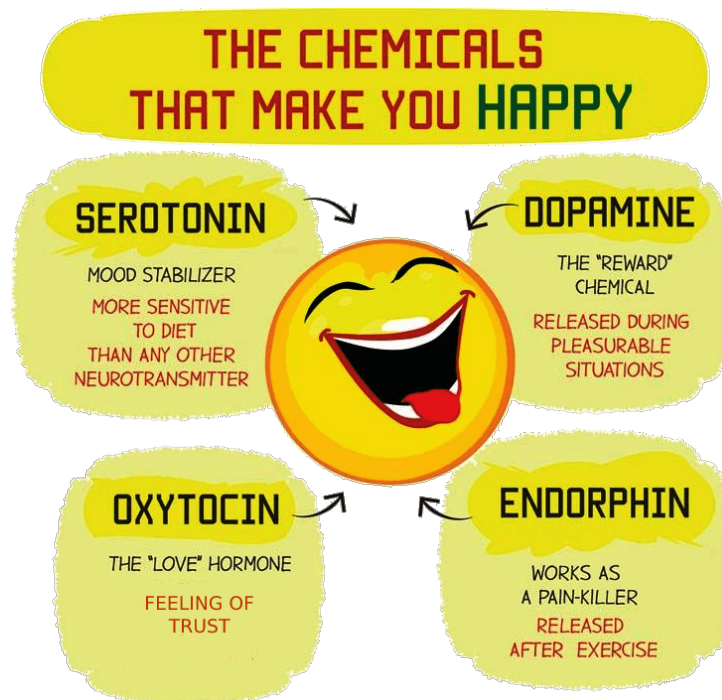
*Back to studies again,
Get ready to find 'Recourses'
Read and explore the lesson.
Discuss with your groupmates
In 'Reflect and Revise'
And 'Report Out'-
What was Surprising?
What did you know but now see it in a new way?
What further help do you need?*

***Ms. Geetanjali Sahoo, Teacher
Vishwa Vidyapeeth (CBSE, Varthur)***



Highlights of Neural Education

- * *Activating all parts of the brain*
- * *Trying to understand a child's potential and cater to them as per their learning styles*
- * *It helps to ignite the curiosity in the child's mind, making the teacher becomes more of a facilitator*
- * *"Recharge" centers are made available for implementing Corrective actions for children*
- * *Lots of DOSE should be made available throughout the campus*
- * *The emphasis is on Co-Creation*
- * *Children can be largely classified as Dandelion – ones who can adapt to any situation & Orchids – who are very sensitive. This methodology helps us to bring out and nurture the Orchid children*
- * *This kind of education will imbibe self discipline in children and nurture them to be future leaders*



WHAT VISHWA VIDYAPEETH AIMS TO DO WITH NEURAL EDUCATION?

- * *Implement Neural Education as a pattern of teaching and learning from the AY 2022-23*
- * *Focus more on 'Long Term Potentiation' (LTP)*
- * *Move from Teacher-centric to "Self-Directed"*
- * *Helps us recognise and bring out the hidden talents in children*
- * *Reduces pressure on the young minds and helps to create a Happy Environment at School*
- * *Help with Logic Building and to learn with Trial & Error system*
- * *Help children to learn the skills that are critical for their success in life*



Success Story of Implementation

VISHWA VIDYAPEETH HAS SUCCESSFULLY COMPLETED A PILOT STUDY OF THE SAME FOR ONE ACADEMIC YEAR WITH THE CBSE SCHOOL AT YELAHANKA

Truly to the meaning of “Guru” who teaches the techniques of exploring the reality of our inner being by which our life changes, the team of Vishwa Vidyapeeth has travelled a beautiful journey of moving away from Behaviorist approach to Neural cognitive approach.



It all began on 5th May, 2020 with Inductive training to co-create and co-construct the path to the new age learning. The 21-day developments in the study of learning have led to an era of new change of understanding science. With vigorous brain storming session accompanied with brain breaks led to the comparative study of traditional Vs cognitive approach.

An interesting study was consciously made in the Innovative Pedagogical approaches to engage, experiment, elaborate, explore and empower teachers and students. To achieve the above-mentioned parameters, the 'Mantra' we used to be “know Your Children.” The first few days were spent knowing the children and their background. This made us reflect and plan our academic sessions. Green housing teachers once a week brought us closer as a system approach to promote coordination among activities to design effective learning environment. There is an old saying in neuroscience “Neurons that fire together wire together.” This is related to “practice makes perfection.” One 'Big Idea' to focus on competency skill development, active learning by multi modal ways of teaching, flipped learning tool for exploration in the break out room sessions, reflect, revise and report makes the Inductive learning achieve mastery.

In the classroom scenario, students have become flexible, their knowledge is organized around core complex or 'big ideas' that guide their thinking. Few students have shown the ability to transfer the concepts from near to far in core subjects. With such exploration, teachers are able to identify the needs of orchids, dandelions and tulips among the learners in class and implement differentiation and scaffold them. The autonomy given to students have led to the making of the 'student mentors' in secondary level. We are still working on guiding students to become aware of themselves to monitor their learning strategies, resources and also to communicate their readiness for a particular test and performance. Students of Vishwa Vidyapeeth are reflective!

The goals and expectations for schooling have changed quite dramatically and new goals suggest the need to rethink questions as what is taught and how it is taught? Teachers are key to enhancing learning in schools. It has been quite a journey for successful learning for teachers & students built out of the knowledge base from the neuroscience is just a beginning....

Ms. Shanthi Seetharaman

**Principal, Vishwa Vidyapeeth
(CBSE, Yelahanka)**



Teacher's Feedback



Mr. Prashanth A R, Coordinator
Vishwa Vidyapeeth
(CBSE, Yelahanka)

Neural learning provides an edge to both students and teachers to impart learning and teaching holistically.

Neural learning helps students to explore and master their individual learning styles in their own pace.

I believe neural education is the way forward!

In my observation, the classes conducted with Neural concept are quite interactive and students are allowed to speak their minds. Here each class starts with LTP (Long Term Potential) words, words that they remember from last class. WOW! What a great way to recapitulate and bring students to the beginning zone of learning followed by a thought-provoking question then gradually leading them to a collaborative thinking zone to find solutions for a given problem. This frame work intends to help educators better understand the learning needs of all individuals and

develop their teaching plans as per the need of the students. Even in the online platform where most of the students around the world are totally found disconnected from the system, I could feel a difference when I am in the classroom – now students don't hesitate to share their piece of work in front of others, they are open to constructive feedback from their peers, flip classrooms are doing wonders. Definitely I will say that if we continue to reform and hold on to implementing each aspect of NED, we can attain greater heights.

"The Mind Is Not a Vessel to Be Filled but A Fire to Be Kindled!"



Ms. Anuja Ghosh, Coordinator,
Vishwa Vidyapeeth
(CBSE, Yelahanka)



Ms. Suhasini Mary, Teacher
Vishwa Vidyapeeth
(CBSE, Yelahanka)

Neural Education has proven instrumental in introducing competency skills as rather more intrinsic. Having understood the basic brain functions such as synaptic connections, myelinations, working towards the structural development of a learner, for me, seemed more progressive. Neuroplasticity that promises adaptability to phonological loops that connect perception and spoken words, this pedagogy has provided ample scope for both educator and the learner.



Learning is a process by which we integrate new knowledge generated as a result of experiences. The product of such memories stored in our brain. Neural education is a wonderful tool helps students access deep learning. Brain breaks refreshes the mind and improves creativity and also helps to focus and reduce stress in students. It is an activity-based learning where every child in the class gets an opportunity to participate. The Challenge is where we engage students in a collaborative task that seeks to find a solution to a problem that is well described and meaningful to them. The scaffolding questions engages the students to think and correlate their three prior knowledge. Overall neural education makes it easier to identify students with learning disabilities and help with their academic performance.



Ms. Aruna N, Teacher
Vishwa Vidyapeeth
(CBSE, Yelahanka)



Ms. Maria, Teacher
Vishwa Vidyapeeth
(CBSE, Yelahanka)

Neural learning has enabled me to manage my emotions during classroom teaching. Knowledge of neuroscience helped me adapt to new changes in a positive way. Co-creation is one of the best aspects of NED which I apply in my classroom teaching. It has helped me to connect better with my students, especially the ones who are not ready to open up easily. In the wake of online education, connecting with students was a tall task earlier but I have easily overcome this with Neural Teaching methods.

Neural Education has come as a boon to schooling, is a very interesting concept that we apply to our teaching methodology, here we understand that children first and on that basis start teaching because of neural we now understand how our brain works, which part of the brain needs to be touched while teaching so that more neural connections start occurring as children have a short span and need repetition and multi-channel processing, hence we create a stress-free classroom.

Fear makes us less intelligent because of amygdala activation which occurs as per fear response. This applies to all of us by knowing the brain now we know how to keep amygdala activation away and hence make a stress free life for both us and the children.



Ms. Paromita, Teacher
Vishwa Vidyapeeth
(CBSE, Yelahanka)



Student's Feedback

Master. Pravith R, Student, Vishwa Vidyapeeth (CBSE, Yelahanka)



Challenge mosaic is a system in which the teacher gives you a question related to the topic which is going to be covered in class that day. After explaining the topic, the teacher asks you to write the initial thoughts on the challenge given. Sufficient time is provided. I liked the concept very much as it helped me improve my analytical and comprehensive skills. We learn the concepts on "breakout rooms" which are created in an online class, after discussing it with my classmates. I find this concept is the best way to make children learn.

Miss. Mitali Nirody, Student, Vishwa Vidyapeeth (CBSE, Yelahanka)

This year, our school has adopted an innovative approach towards revolutionizing education! VVP implemented the 'Challenge Mosaic' methodology of learning across various grades. It incorporates fun and learning through a series of steps which range from articulating the challenge, scripting initial thoughts, offering multiple perspectives, tapping audio-visual e-resources, followed by collective revision, reflection and a report-out session. Each class is 75 minutes long and provides us with an ample amount of time to ensure high quality interaction with our peers and mentors (teachers) and sharing diverse viewpoints. It has brought out the best in us by allowing us to be expressive and strengthening our basics. Overall, I have relished my academic journey in grade 9 thanks to this unique methodology.



Parent's Feedback

Father of Ayati Padda



Conducting training for their teachers, online platform, digitalisation of their in-house system, etc... VVP has brought in a lot of varieties in teaching like connecting students in groups, using digital platform for their project work and group discussions, utilising breakout rooms..everything has been a great initiation and the learning curve has been positive.

Mother of Atharv Walimbe

Last 2 years have been quite challenging for both teachers and students but the concepts introduced by VVP like the Challenge Mosaic, Breakout rooms, discussions with fellow students, presenting topic to all students & teachers etc. have helped the students to come out of their shells and has made them learn the topics in various different ways. The teaching technique has widened into more of self-study, group activities, learning from each other – all with the guidance of the teacher. This has helped Atharv to boost up his confidence, knowledge and communication skills with his peers. His interest in taking initiatives in various activities at home as well has doubled. I must say the school has taken lot of efforts in creating a conducive environment for the students through their online teaching methods.



Father of Yash & Ruhaan



With online schooling, it would have been a big task for the teachers and students. However, VVP has been able to clear the doubts and clarify the topics and I am thankful to the team for putting in lots of efforts in supporting students at this point of time. Their use of two different techniques like LTP and breakout room discussion which made the online learning more interesting as well as supporting students to discuss what they have learnt, discuss with each other, share their views – all these steps have helped the kids to open up themselves in the online classes. hankful to the entire team!



Vikramashila - Singanayakanahalli Campus



Takshashila - Honnenahalli Campus



Magadha - Varthur, Whitefield



Website

Published, January 2022

