

What is Quadseek? How do you implement QuadSeek?

Introduction to Lumens Education and its teaching methodology QuadSeek

Why Lumens Education

Lumens Education has a teaching technology i.e. a systematic, innovative and indigenously developed teaching method **QuadSeek**, which fits hand in glove with the recently announced National Education Policy. We believe that with systems and processes for effective implementation of the method and a committed and passionate team, we will be able to achieve all-India rollout in a short time and at a low cost.

Our revolutionary teaching method, QuadSeek, is explained in brief below

- QuadSeek is a gentle program that begins at an early age, borne out of research that a significant part of human brain development takes place by the age of 6 years
- Tools used for teaching are comparatively inexpensive and easy to replace
- QuadSeek lends the luxury of teaching as per the learning-orientation and levels of a child in a class of a limited many
- We have well documented and tested coaching systems, which include theory and hands-on learning to develop excellent teachers
- We have a team of people which can develop more teacher coaches when required. We have coached hundreds of teachers over two decades
- We have, in practice and easy to replicate, teacher audit and children evaluation and correction systems which assure quality in the class
- Multiple levels of periodic audits ensure that issues of the children are zoomed into and remedial discussed and implemented.

QuadSeek introduction

Based on the research of Doman and philosophies of Shri Aurobindo and the Mother of Pondicherry Ashram, the system recognises and aggressively pursues to satiate the four quadrants, the physical, emotional, intellectual and spiritual, governing a child's development.

Every philosopher and educationist strongly recommends wholesome development of a child using above four quadrants but few prescribe exactly what is to be done about it in classes. QuadSeek, using technology and research of the West and philosophies of East actually lays down steps to achieve the desired results.

Process of Implementing QuadSeek at the foundation Stage

QuadSeek takes serious note of the fact that significant brain development takes place in the first five years of a child, whose curiosity is insatiable, given opportunity. The trick is to explore the universe through pictures, games and stories, paying close attention to FDI (Frequency, Duration and Intensity). It is imperative to kindle the child's natural visual, verbal and numerical abilities, the base of most growth later.

QuadSeek uses following principles to achieve above goal

- Each learner is different with any one aspect dominant in him. Since the dominant aspect remains unknown until the child grows, Quadseek aims to teach each lesson or topic to the child through all four aspects of a human being, Physical (by doing, seeing, hearing), Emotional (stir imagination & emotions), Intellectual (theories, extrapolating) & Spiritual (touch the spirit to learn values).
- Teach in smaller groups within a class addressing subject specific needs of each child.
- Teach in short duration bursts (to cater to short attention span of young children), using a definite systematic schema and follow-up revising through repetitions.
- Using pictures (visuals) using flash cards in a concise and systematic outlined process.
- Teach with an integrated approach combining all subjects including sports, art and music trying to unearth the inherent strengths of the child.
- Teach from known to unknown for easier and better assimilation by a standard approach of first familiarizing, teaching, freezing and then revising often.

Steps to learning

- Through the first three years, well defined physical exercises are conducted to develop motor skills of the child to prepare him for writing and other physical activities and sports.
- Different divisions of data like animals, birds, fruits, vegetables, musical instruments, transport, flags of countries, leaders of India and world, monuments of India and world etc are shown using picture cards systematically to a detailed plan
- Displaying and India map states, capitals, fruits of India, animals of India etc are taught.
- Pictures, maps, stories, books, art and songs are associated to develop knowledge in an interesting and joyful way like Sardar Vallabhbhai Patel from Gujarat, apples in J&K, Himachal and Uttranchal etc.
- Pictures are brought back and revised in numerous contexts like carnivorous and herbivorous animals, leaders from North India and South India etc
- Numbers depicted as pictures and stories that a child can relate to.
- Fundamentals of Math like place values, sequence, etc through games using number blocks
- Mathematical operators like addition, subtraction, multiplication, division through standard, simple and stress-free flash cards technique that makes it easy for both teacher and child.
- History, Geography are introduced through stories and maps.
- Science is introduced from the age of three through simple experiments using things found at home as magic shows, developing interest and curiosity in the child.
- Having heard so much of language across various subjects at early age, child starts thinking in the language and speaks fluently.
- Words and spellings are taught using well defined and tested reading program systematically using hand-made books and flash cards, helping the child become good at reading.
- Grade one and two are used to revise and consolidate what was covered in first three years while getting the child used to learning from text books and writing.

Possible Outcomes

With our unique education system, without being conscious that they are being taught, our children in Sr KG (5 years old), who have been with us for 2 & 1/2 to 3 years, know...

- All the states of the country and their capitals
 - Which animals, fruits, vegetables, leaders, monuments are found in which states of the country
 - 30-40 countries of the world and their flags, capitals, monuments, animals etc
 - Respiratory system, digestive system, water cycle, Solar system etc
 - Can read books with difficult words like infinite, luminous, innumerable etc
 - Numbers till 1000 (sequencing, greater & smaller)
 - Additions and subtraction up to 20, orally
 - Speak English, with fluency.
 - Many more things in GK like rain forest, deserts, continents, volcanoes, plants, water sources, air, gases, magnets etc
- This lays a strong foundation for them to easily learn the syllabi of primary and secondary schools.

Evaluation

Pressure of exams at early ages takes away the joy and freedom of learning; QuadSeek has well defined, measurable continuous (formative) evaluation processes that take away the stress and gives the teacher objective information on scope of improvement.

Teacher Coaching & audits

Since the method is logical, systematic and has standard, well defined teaching approach, teacher coaching is easier. We have coached hundreds of teachers over two decades. Three levels of periodic audits ensure that issues of the children are zoomed into and remedial discussed and implemented.

- We have well documented and tested coaching systems, which include theory and hands-on learning to develop excellent teachers.
- We have a team of people who can develop more teacher coaches as required.
- We have, in practice and easy to replicate, children evaluation and correction systems, which helps the child progress, keeping at bay the fear of competition and losing.
- We have, in practice and easy to replicate, teacher audit and coaching systems which assure continuous upgrading of skills to deliver quality in the class.

QuadSeek offers a standard approach independent of language or subject so makes it easier to bring standard approach across states, boards or medium.

How QuadSeek method adheres to approach and goals of NEP 2020?

- For the foundation and preparatory stages, it uses play way and activity-based learning approach taking away stress and fuelling curiosity.
- Sets an excellent base of reading and Math skills during the foundation stage
- Lays a foundation for all subjects like language, social sciences, Math, Science making it easier for the child to tackle it in next stages of age 8 to 11 years

- In keeping with prescriptions in NEP 2020, QuadSeek introduces and focuses a lot on learning about India through maps and stories from early age, laying a strong foundation to learning about India in future and creating a strong fondness for India. It also introduces the child to the world using the same approach.
 - Uses the principles of natural native language learning. first hearing, speaking, reading and finally writing to produce the proficiency in output.
 - It's framework to teaching and learning approach is independent of the language, subject, curriculum or grade. The method has been tested successfully in schools across various languages like English, Tamil, Hindi, Gujarati and Malay. So, it is easy to adapt and use across the country. It will also make it easy for children to learn multiple languages using same method.
 - Includes more than 50 motor development physical exercises adhering to scientific study.
 - Gives equal importance to art, sports, music and value education by integrating them with learning.
 - Gives careful attention to an individual child's needs and strengths.
 - Provides unbiased, objective and standard learning evaluation measures to evaluate subject knowledge as well as high order skills such as critical thinking, analysis, presentation etc.
 - Provides system for continuous evaluation for teachers and helps them upgrade with rigour.
 - Teachers get systematic, standard methods of drafting lesson plans with enough liberty to try different things, making it easier for them to collaborate or reuse old plans to teach and for child to learn different subjects with a uniform approach.
 - Brings standardization in teaching and lesson plans also bringing in continuity to accommodate teacher attrition or transfer issues in schools.
 - It has been successfully tested across strata of the society, lowest to highest.
 - Tools used in teaching are comparatively inexpensive and easy to replace.
 - The scientific and systematic approach supporting natural learning process allows completing syllabus in six to seven months, allowing opportunity for teachers to revise and also cover life skill or vocational skills during the rest of the year.
 - Offers an innovative and time-tested teacher coaching method, for effective and practical approach to the class-room, a major obstacle in current teacher education. Hundreds of teachers have been trained under this system in the last two decades.
 - Coaching can be given online and offline both making it easier to scale faster.
 - QuadSeek can be further extended to educate children up to grade 12 and higher making it easy for the child to adapt to the novel ways of learning and teachers to teach.
 - Provides possibility to identify and support gifted students as well as those needing extra support.
 - The method also works equally well with children with learning challenges.
- Our website and our Facebook Page give all details about the team behind Lumens Education, our schools and our daily activities. Testimonials are given in Annexure.

Website : www.lumenseducation.net

FB: <https://www.facebook.com/LumensSchool>

Annexure

Testimonials

Neeta Joisher - Mother of Mishika Joisher (Nursery, 3 year old)

Once I was serving a dinner and Mishika dropped a glass of water and before I could react and get angry, Mishika said, “Don’t blame me, it’s not me but the gravity!” and instead of losing my temper, I was so proud of her and in tears!

Mehul Parekh – Father of Darsh Parekh (Jr KG, 4 year old)

Once we had a guest from Africa at home and over the dinner, the guest just tried to joke with Darsh and asked whether he ate non-vegetarian food? To which Darsh replied, “No, I am a herbivore.” So the guest asked, “What am I then?” and Darsh said, “Carnivore” and the guest was shocked at my child’s knowledge and praised him. It was a proud moment for us too.

Sunil Kumar – Father of Dwij (Grade 4)

The best thing we love as parents is the kid’s love going to school and looking forward to each day as an opportunity to learn, live freely, exchange ideas and feelings with fellow mates as humans and not as some kids trying to outrun each other in some mad race.

Home schooling as a service (HAS)

One of the wealthiest industrialist families of India, Bilakhia’s (owners of <https://www.merillife.com/>), based in Daman, after prolonged research across the globe, found QuadSeek to be the best suited learning method and appointed Lumens education to run home schooling as a service (HAS) for the kids of their family.

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