ALLEN®

Welcome to
the world of

STEM EDUTAINMENT

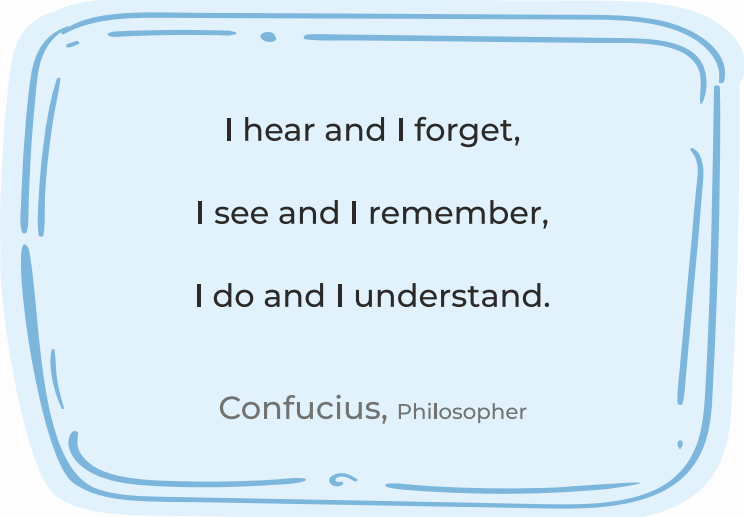SCIENCE | TECHNOLOGY | ENGINEERING | MATHS — EDUCATION — — ENTERTAINMENT —

**Grades
1 to 8**

🌐 allensmartbox.com

Ranking Tray

Marigold (Shrub)
Spinach (Herb)
Peas (Climber)
Pumpkin (Creeper)

ALLEN
IntelliBrain®

A   B

I hear and I forget,

I see and I remember,

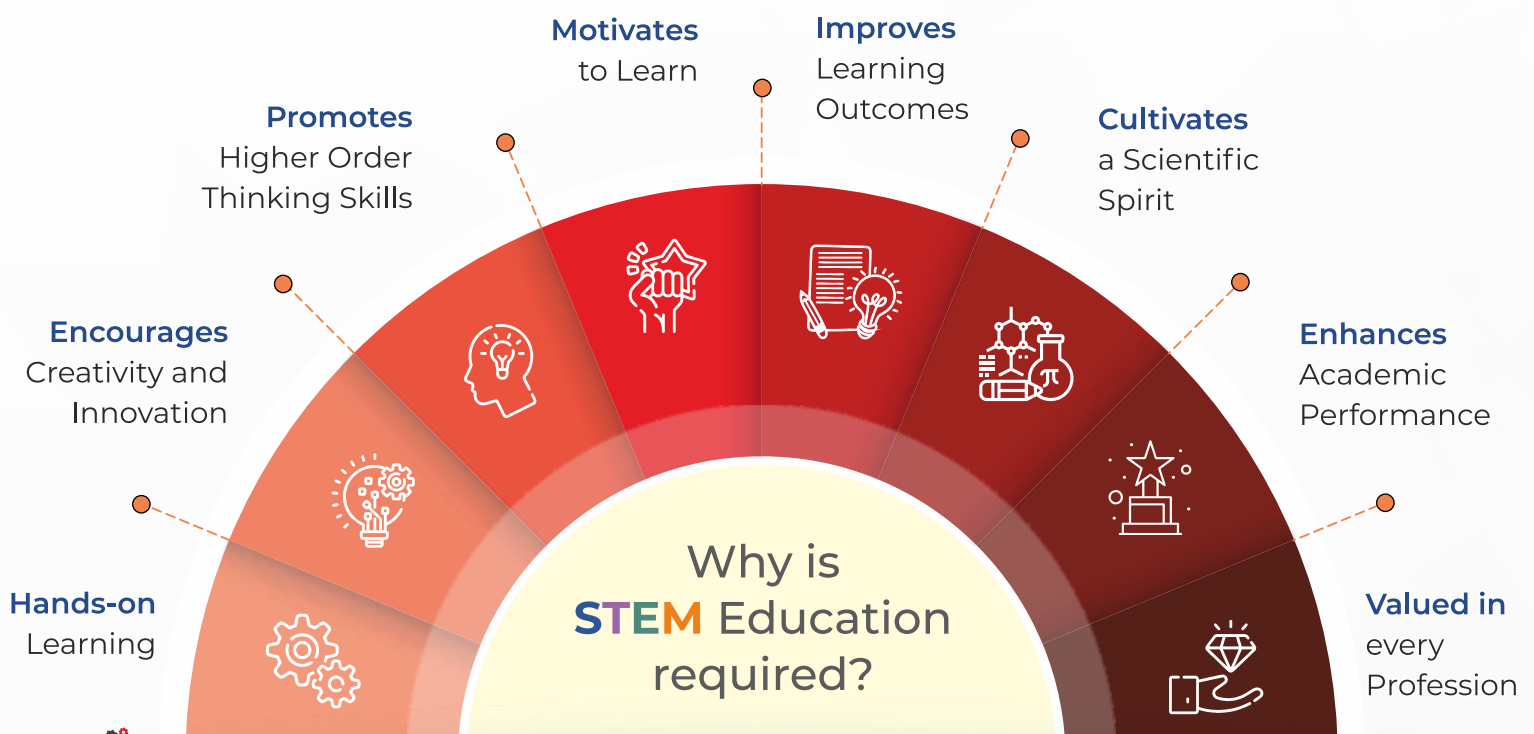I do and I understand.

Confucius, Philosopher

What is **STEM**?

National Science Foundation (NSF), United States introduced the acronym 'STEM' in 2001, standing for Science, Technology, Engineering & Maths.

STEM education entails training students in basic & advanced STEM concepts using a theoretical as well as practical approach.

STEM Education Methodology

| Question | Experiment | Observe | Analyze | Conclude | Apply |

Why is STEM Education required?

- Motivates to Learn
- Improves Learning Outcomes
- Promotes Higher Order Thinking Skills
- Cultivates a Scientific Spirit
- Encourages Creativity and Innovation
- Enhances Academic Performance
- Hands-on Learning
- Valued in every Profession

STEM NEWS

Why STEM education is necessary in the Indian education sector

STEM education is the need of the hour to help students make the leap from users of technology to innovators

'STEM Education', known for its focus on Science, Technology, Engineering and Maths, is relatively a new term in the Indian education sector.

A robust STEM education creates critical thinkers, problem-solvers, and next generation innovators. Taking into consideration that India is one of the countries that produces the highest number of scientists and engineers, the growth of STEM has picked up significantly over the last few years.

Increasing demand

We are now at a stage where the number of STEM jobs are growing at a fast pace and currently outstripping the number of STEM graduates. According to the National Science Foundation, it is predicted that 80% of the jobs created in the next decade will require some form of math and science skills. Despite having the top quality talent, the exam-focused education model of the past has limited these students when it comes to innovation, problem-solving and creativity. This is where the STEM players come in to fill this gap.

Source: **The Hindu**

> " STEM Education transforms Users of Technology into Innovators of Technology. "

STEM Education for Future Career Growth: More Essential Than Ever in the 2020's

80% IAS recruits in India belong to STEM

STEM is more fundamental and essential than ever. Back in 2001, the National Science Foundation introduced the acronym "STEM", standing for Science, Technology, Engineering, and Math. In the decades that followed, educators and schools adopted and expanded efforts to embrace STEM related education. Heading into the new decade, STEM has never been so vital for an education that will prepare students for their professional careers rather than simply building technical competencies within the classroom.

According to DRPFConsuls.com, the National Science Foundation estimates that 80 percent of the jobs available during the next decade will require math and science skills, therefore, young students need to be introduced to STEM education at an early age. While some institutions have embraced early STEM learning, consistent programming during the school day is not a widespread practice.

Source: **TCPD-IAS**

Survey: Most Young Kids Are Learning STEM at School

64% parents confirm link between STEM learning & Future Success

A survey of 1,000 parents of students aged 10 and younger found that 78% reported that their kids are learning STEM-based curricula at least weekly. And 73% of parents want schools to adopt more STEM learning. The findings were part of a fall 2021 parent survey administered by ed tech company codeSpark, which offers a game-based educational tool focused on STEM for grades K–5. The tool, codeSpark Academy, is free for public schools in North America. Almost two-thirds of parents participating in the survey (64%) also said they believe there's a direct correlation between STEM learning in the classroom and later career success. The survey also asked parents about student gaming habits and screen time. According to the survey, 70% of children 10 and under spend "at least" three to five hours per week "on apps and online games." And nearly half in that age range are comfortable using apps and online games by themselves.

Source: **codeSPARK**

STEM decides the future!

ALLEN®

When should **STEM** education be introduced **?**

As Early as Possible

Why?

Because...

I understand best when I play.

I understand best when I see, touch & do things.

I understand & apply best through hands-on learning.

How
should **STEM** education be introduced?

Through Learning By Doing

Why?

Because we tend to remember...

80% of what we Learn by Doing

10% of what we
Learn by Reading & Writing

ALLEN®

ALLEN®

Legacy of **34+** Years

Mentored **2.5 Million+** Students

125+ Classroom Campuses

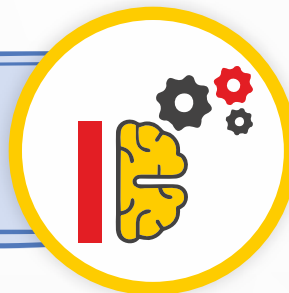Pool of **3500+** Academicians

Presents

Intelli SMART Box

for

Grades 1 to 8

Based on the Government of India's National Education Policy (NEP), 2020

Developed by childhood development & pedagogy experts after extensive field research
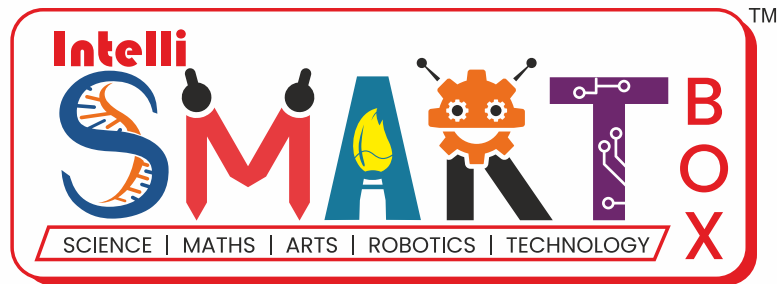
Tested by kids, parents, teachers & noted academicians

ALLEN **Intelli Brain**®

Grade 7
Intelli SMART BOX™
SCIENCE | MATHS | ARTS | ROBOTICS | TECHNOLOGY
SCIENCE
CURIOUS

NEW EDUCATION POLICY 2020

ALLEN IntelliBrain®

SCIENCE

MATHS

Grade 4
Intelli SMART BOX™
SCIENCE | MATHS | ARTS | ROBOTICS | TECHNOLOGY
MATHS
CURIOUS

ALLEN IntelliBrain®

ALLEN®

Intelli SMART BOX™
SCIENCE | MATHS | ARTS | ROBOTICS | TECHNOLOGY

India's Best

STEM EDUTAINMENT

SCIENCE | TECHNOLOGY | ENGINEERING | MATHS · EDUCATION · ENTERTAINMENT

DIY Activity Box

ALLEN IntelliBrain®

Curriculum Mapping

The diverse activities in each box have been carefully mapped as per the grade-wise school curriculum.

Improved Understanding

It improves the knowledge, understanding, memory & application of educational concepts in kids.

Love For Learning

It creates an interest and love for life-long learning in kids.

STEM Edutainment is an integrated approach of learning **Science, Technology, Engineering & Mathematics** through a fine mix of education & entertainment.

Intelli SMART Box builds a positive attitude towards learning & inculcates the habit of seeking answers in a scientific manner. Learning while playing & experimenting keeps the kid involved & engaged. This greatly enhances learning outcomes.

ALLEN®

What is inside an
Intelli SMART Box?

ROTATION & REVOLUTION
CONCEPT MANUAL

STARS & CONSTELLATIONS

MOON
CONCEPT MANUAL

UNIVERSE & THE SOLAR SYSTEM
CONCEPT MANUAL

STARS & CONSTELLATIONS
CONCEPT MANUAL

EARTH DISC

SUN DISC

EARTH DISC

ALLEN

How to use Intelli SMART Box?

01 — READ ME FIRST FLYER
Study the guide-map.

02 — CONCEPT MANUALS
Understand, revise & practice the concepts.

03 — STEM ACTIVITIES
Build working models, perform scientific experiments, visualize Maths & Science, play amazing edutaining games.
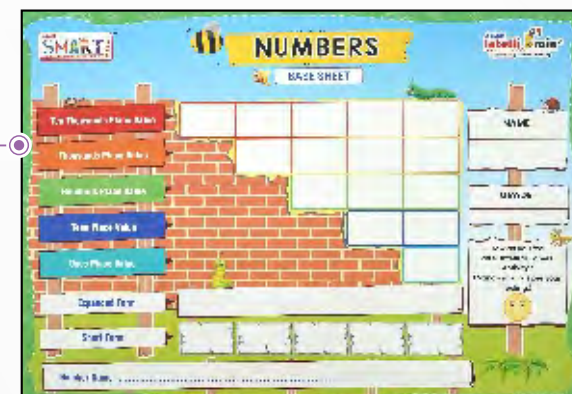
04 — DIY VIDEOS
Scan and gain free access to videos of Intelli experts performing the activities.

05 — FUN EXCERCISES & QUIZ QUESTIONS
Test the knowledge gained.

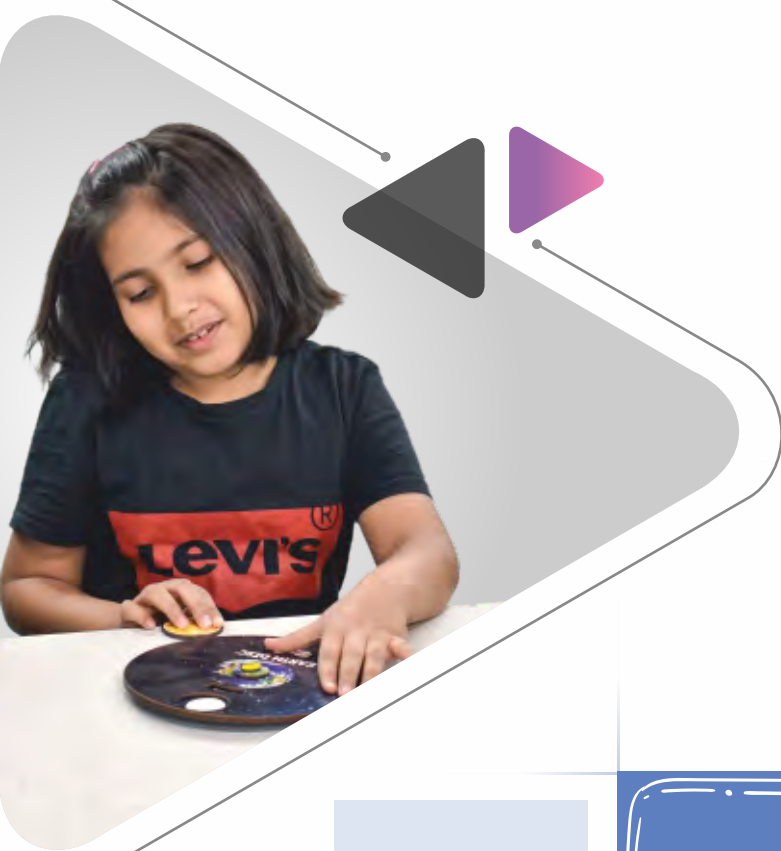## 06 — OBSERVATION & ANALYSIS
Consolidate the knowledge-observe, analyze & conclude.

07 — LITTLE SCIENTIST VIDEOS
Apply the knowledge gained. Record a video & upload to share the achievement.
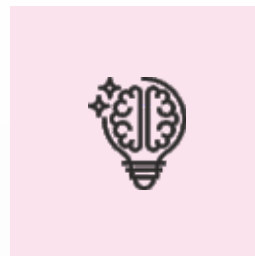
ALLEN Intelli Brain®

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How does
Intelli SMART Box
benefit KIDS?

Improves Interest and Knowledge

Promotes Creative & Innovative Thinking

Enriches Academic Performance

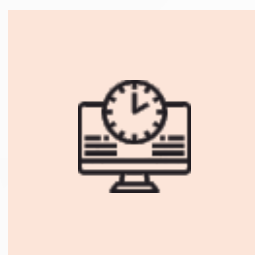**Enhances IQ & Critical Thinking Skills**
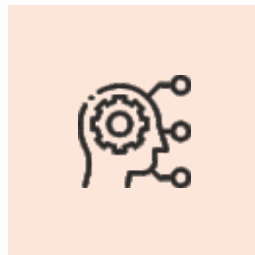
Builds Memory, Acumen & Scientific Temperament
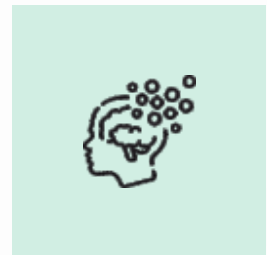
Encourages Real-world Application & Problem Solving

Boosts Confidence & Motivation

Reduces Screen Time

ALLEN Intelli Brain®

What makes
Intelli SMART Box
the BEST CHOICE?

Based on the Government of India's National Education Policy, 2020

NEP 2020

Mapped with age & grade-wise school curriculum

Safe, eco-friendly & reusable comprehensive activity materials

Made in India by childhood development & pedagogy experts of ALLEN

Tested by students, parents and eminent academicians

Caters to multiple learning behaviours

Real-life concepts related to the world around us & not just abstract concepts

ALLEN®

Are you a **SCHOOL** willing to deliver the **BEST** to the **students**?

Level up your schooling with **Intelli SMART Lab**

NEP 2020
Implement the Government of India's National Education Policy 2020 recommendations to enable experiential learning for students.

Gain from ALLEN CAREER INSTITUTE's 34 years of career building expertise and provide progressive STEM Edutainment to the students in keeping with the changing times.

Enhance the learning experience of students through practical application of theoretical concepts.

Improve the academic performance of the school brought about by better understanding, memory and performance of the students.

Witness your students emerge as confident winners in inter-school competitions and in life.

Email us: **smartbox@theintellibrain.com**   Call us: **+91 744 3510255**

ALLEN Intelli Brain®

Display the
Intelli SMART Box
at your
TOY STORE!

Offer India's best **STEM eduainment DIY activity kits** to your customers

Concept Manuals

Articles

Hands-on Activities

Concepts & Learning Outcomes

Real Life Applications

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Be a part of the **Educational Toys & Games REVOLUTION!**

Email us: smartbox@theintellibrain.com

Call us: **+91 744 3510255**

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